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**THIRTEENTH ANNUAL REPORT OF  
THE BOARD OF SUPERVISING ENGINEERS  
CHICAGO TRACTION  
COVERING THE FISCAL YEAR ENDED  
JANUARY 31, 1920**



**THIRTEENTH ANNUAL REPORT**

OF THE

**Board of Supervising Engineers  
Chicago Traction**

**COVERING THE FISCAL YEAR ENDED  
JANUARY 31, 1920**



**PUBLISHED BY THE BOARD  
CHICAGO, 1921**



Sept. 17, 1924

PERSONNEL OF SUPERVISING BOARDS

VS  
806C  
B66  
1919/20

BOARD No. 1

BION J. ARNOLD,  
Chairman.

F. L. R. FRANCISCO,  
Representing City of Chicago.

HARVEY B. FLEMING,  
Representing Chicago City Railway Company and  
The Southern Street Railway Company.

JOHN Z. MURPHY,  
Representing Chicago Railways Company.

LUCIUS H. DAVIDSON,  
Secretary.

C. G. SNYDER,  
Auditor.

---

BOARD No. 2

BION J. ARNOLD,  
Chairman.

F. L. R. FRANCISCO,  
Representing City of Chicago.

HARVEY B. FLEMING,  
Representing Calumet & South Chicago Railway Co.

LUCIUS H. DAVIDSON,  
Secretary.

C. G. SNYDER,  
Auditor.

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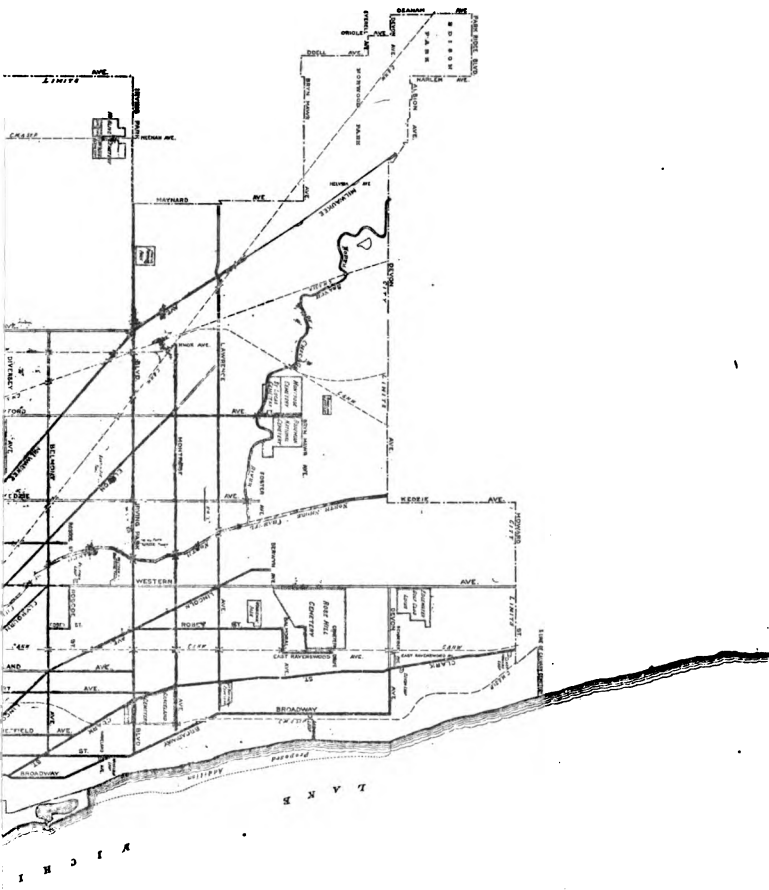
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BOARD OF SUPERVISING ENGINEERS  
CHICAGO TRACTION

# TRACKAGE MAP CHICAGO SURFACE LINES

AS OF JANUARY 31, 1919.

SHOWING REHABILITATED T.V.C. TRACK,  
T.V.C. TRACK, EXTENSIONS, ETC.



**KEY.**

- REHABILITATED 2 TRACKS.
- ..... " 1 TRACK &
- ..... " 1 TRACK AND EXTENSION 1 TRACK.
- ..... " 1 TRACK AND T.V.C. 1 TRACK.
- ===== EXTENSION 2 TRACKS.
- ===== " 1 TRACK.
- ===== " 1 TRACK AND T.V.C. 1 TRACK.
- T.V.C. 2 TRACKS.
- " 1 TRACK.
- ..... ABANDONED TRACK. (See Note No. 1)

-

**F**

**C**

**C**

**E**

**C**

**C**

## INTRODUCTORY STATEMENT.

The Thirteenth Annual Report of the Board of Supervising Engineers presents a brief outline of the work performed by the Chicago street railway companies, under the jurisdiction of the Board, for the fiscal year 1919.

The following is a summary of the capital values of the companies comprising the Chicago Surface Lines at the close of this fiscal year, January 31, 1920:

	T. V. C. Valuation	Additions to Capital	Total Capital
C. C. Ry. Co.....	\$21,000,000.00	\$33,442,408.82	\$ 54,442,408.82
C. Rys. Co.....	29,000,000.00	62,041,852.13	91,041,852.13
C. & S. C. Ry. Co.....	5,000,000.00	6,348,821.70	11,348,821.70
S. St. Ry. Co.....	775,000.00	930,250.35	1,705,250.35
	\$55,775,000.00	\$102,763,423.00	\$158,538,423.00

A total of \$1,373,515.11 was added to the combined Capital Account during the year, and in addition \$2,516,872.17 was spent out of the Renewal Funds in replacing old property with new.

During the fiscal year 1919 the Chicago Surface Lines was granted an increase in fare from 5 cents to 7 cents. This occurred when the Public Utilities Commission fixed the rate of fare temporarily at 7 cents, effective August 8. After a trial under the new rate the Commission entered a supplemental order, effective December 1, 1919, fixed the cash rate at 7 cents and directed the companies to sell books of 50 tickets for \$3.00 and strips of 10 tickets for 65 cents. After an experience of about a month, the sale of tickets amounted to less than 15% of the companies' business and the Commission, by a second supplemental order, abolished tickets and reduced the fare to a flat 6-cent rate, effective December 27, 1919.

The Surface Lines had asked for an increase of fare in November, 1918, by filing a petition with the Public Utilities Commission for emergency relief based on wartime conditions. The City of Chicago, through its legal department, appeared before the Commission and made the claim that the existing rates of fare were fixed by contract between the City and the Companies and asserted that the Commission had no power to change the rate. Litigation resulted in a decision by the Illinois Supreme Court holding the Public Utilities Commission's order of August 6, 1919, to be valid.

Later the City applied to the Circuit Court for a temporary injunction to enjoin the Companies from charging a rate of fare in excess of 5 cents, which application, on January 22, 1920, was denied.



## INTRODUCTORY STATEMENT.

---

Early in July, 1919, the trainmen notified the management of their demand for 85 cents an hour, an eight-hour day, a six-day week, time-and-a-half for all time over eight (8) hours, and time-and-a-half for all Sunday and holiday work. After various conferences an offer was finally made to the Commission fixing the wage scale at 65 cents an hour and an eight-hour day.

Although the acceptance of this offer by the Companies had the approval of representatives of the Trainmen's Union and the Commission, the men at a mass meeting on July 28th, declined it and called a strike for the following morning. Service was stopped for several days. A referendum vote was taken, however, and the Companies' offer was accepted and the new wage scale became effective August 6th.

Increases in other departments were also made and the total wage increase amounted to more than \$7,500,000 per year.

The above described events had the following effect upon the gross receipts and operating expenses:

The Gross Receipts of the Surface Lines for the year was \$43,963,438.31, an increase of \$9,253,340.32. Operating Expenses increased \$7,522,077.82. The City's 55% of the divisible net receipts amounted to \$1,448,847.85, an increase of \$1,065,632.36 over the previous year.

BOARD OF SUPERVISING ENGINEERS,

BION J. ARNOLD, *Chairman.*

**PART I.**  
**GENERAL REPORT.**



## CHAPTER I

### GENERAL SUMMARY.

#### BOARDS NOS. 1 AND 2.

Board No. 1 held twenty-four meetings during the year, from the 804th to the 827th meeting, inclusive, while Board No. 2 held session twelve times, from the 207th to the 218th meetings, inclusive.

### SUMMARY OF PREVIOUS REPORTS.

A brief summary is presented herewith of the more important subject matter presented in previous reports.

#### REPORT I—1907.

*Chronology.*—History of the growth of the City of Chicago, its territorial expansion and its transportation development since the establishment of the city. Review of State and Municipal legislation affecting the various traction companies, the successive consolidations, the unfortunate results of financial operations, the determination of the city government to enforce better conditions, the principal episodes of Chicago's ten-year struggle for adequate transportation, and the final result as embodied in the ordinances of February 11, 1907.

*Traction Ordinances.*—A comprehensive review by Walter L. Fisher of the underlying features of the traction ordinances accepted by the Chicago City Railway Company and the Chicago Railways Company, and in substance by other companies.

*Original Valuation.*—Values placed by the Traction Valuation Commissions detailed not only with respect to the operating electrical properties, but also to the cable properties, which were included in the valuation as operating properties, but soon after abandoned in favor of electrification. (This method of treatment was in accordance with an agreement with the City.) Values of unexpired franchises on various lines. Values of paving.

*Ordinances.*—Ordinances of February 11, 1907, reprinted verbatim, authorizing the Chicago City Railway Company and the Chicago Railways Company to construct, maintain and operate systems of street railways in

## THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

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the streets and public ways in the City of Chicago. These ordinances embody:

*Exhibit "A."*—Schedule of streets upon which tracks are to be maintained and operated.

*Exhibit "B."*—Detailed specifications for rehabilitation.

*Exhibit "C."*—Specific through routes to be put into operation as soon as physical obstructions can be removed.

*Exhibit "D"* of the Chicago Railways ordinance includes verbatim the trust agreement between the Chicago Railways Company and its Trustee, covering the holding of the securities of the subsidiary companies.

*Engineering Work.*—Drawings of Types 1, 2 and 3 on track approved and used in subsequent rehabilitation, with standard 129-lb. grooved girder rails, screw spike and tie rod. Chemical composition of rails.

Standard manholes, duct and conduit sections.

Principles of car house and sub-station designs adopted by the Board.

Historical review of car equipment used in Chicago, with drawings of types of prepayment cars adopted during rehabilitation.

*Accounting Statistical Record.*—Facsimile construction records, showing the method of reporting and checking of contract work, labor and material, with Inspecting Engineers' reports from each division of the work.

### REPORT II—1908.

*New Companies.*—The Calumet & South Chicago Railway Company accepted its ordinance of March 30, 1908. Report No. II digests the T. V. C. valuation with respect to the Calumet properties and reviews briefly the ordinance under which its operating franchises were extended.

*Board No. 2 Organization.*—A Board of Supervising Engineers was organized for the purpose of dealing with subjects relating only to the Calumet & South Chicago Railway properties.

*Ordinances.*—Full text of ordinance "Authorizing the Calumet & South Chicago Railway Company to construct, maintain and operate a system of street railways in streets and public ways of the City of Chicago."

*Exhibits "C" and "D."*—Operating contract between the Calumet and contiguous properties, "Granting the consent of the City Council of the City of Chicago to an operating agreement between the Calumet & South Chicago Railway Company and the Chicago City Railway Company".

## GENERAL SUMMARY

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*Engineering Work.*—Track studies of the deflection observed under carload, of rail, tie and adjacent pavement. Material studies on the strength of manganese steel special work. Comparative holding power of track and screw spikes in various timbers. The first two years' record of electric welded rail joints. Reports on chemical treatment of ties.

Studies of power and car distribution showing method of computing load centers from basic car distribution map. Power tests on cars. Negative return copper. Maps and methods of calculation.

Discussion and description of car house and sub-station construction, with working drawings.

Standard designs adopted for prepayment cars, with working drawings and discussion of component parts—motors, trucks, fenders, wheels, ventilators, heaters, etc. Comparative results of introduction of prepayment cars, increasing receipts, decreasing accidents, and increasing schedule speed.

Physical obstructions existing in the operation of the 21 through routes authorized by the 1907 ordinances.

Description of the tunnel work authorized, with working drawings; Van Buren, Washington and La Salle street tunnels.

*Accounting.*—Statistical record, operating and financial.

### REPORT III—1909.

*Franchise Maps.*—Complete ordinance franchise map of the City of Chicago based upon 1907 ordinance and extensions thereof, showing individual companies. Map of Through Routes designated by 1907 ordinances.

*Southern Street Railway Company.*—Acceptance of Ordinance. T. V. C. valuation and value accepted by City. Ordinance verbatim.

*Progress Reports.*—Prosecution of the rehabilitation work as compared to ordinance requirements.

*Accounting Statistical Record.*—Analysis of construction, operating and financial record. Changes in procedure after rehabilitation period. Renewal fund. Capital and Renewal Certificates.

*Engineering Work.*—Tests on holding power of spikes and indentation of timbers. Change in track centers. Report on removal of physical obstructions to through route operation.

Three-year record of electric rail rewelds. Electrical distribution for Chicago Railways and Calumet lines. Progress of electrolytic investigations. Electric rail joint, bond and terminal tests.

## THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

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Car house and shop construction. Report on basis of computation of "insurable values" under ordinance.

1909 car design. Ventilation tests. Special funeral car. Power sprinkler and refuse car. Traffic counts in down town district and on through routes.

Construction work on Washington street tunnel; plans for La Salle street tunnel. Tests of reinforcing rod lap joint used in tunnel work—auxiliary tunnel drainage and conduit work.

### REPORT IV—1910.

*Chicago Consolidated Traction Company.*—T. V. C. valuation. Absorption of system by Chicago Railways, the acquisition of which was accepted by the city in lieu of extensions required by the 1907 ordinance. Ordinance given verbatim.

*Progress Reports.*—Showing extent of rehabilitation work done as compared with ordinance requirements.

*Accounting Statistical Record.*—Financial—construction—operation, with analytical review of statistics relating to growth and distribution of expenditure and joint return on capital value. Simplification of accounting methods at close of active rehabilitation. Evaluation. Renewals.

*Engineering Work.*—Standardization of special work. Four-year record of electrical joint rewelds. Mileage tables for revenue and emergency track. Revaluation mileage tables with T. V. C. mileage of original and subsequent appraisals for tangent track and special work. Through route mileage as of original ordinance.

Transmission line map for the entire city. Progress of electrolysis studies. Pole deflection tests. Strain insulator tests. Shallow trolley suspension. Installation of laterals, junction poles and 3,000 K. W. converters. Electrical operation of sub-stations with wiring diagram. Analysis of power contract with Commonwealth Edison Company.

Open car storage. Car house location on zone system plan, reduction in cost of insurance. Sprinkler system.

New arch roof car for Consolidated lines. Discussion of step heights. New wheel tread. High efficiency tantalum lamps. Analysis of loading time per passenger for various platforms. Car flow map showing occupancy of down town street. Bridge delays. Interpole motor development and service—temperature tests. Comparative statement of all rolling stock.

## GENERAL SUMMARY

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Description of methods of construction and lowering tubes of the La Salle street bore. Methods of construction and the completion of the Washington street tunnel.

*Consolidated Ordinance.*—Full text with resolutions of acceptance by City, receivers and Chicago Railways Company.

### REPORT V—1911.

*Chicago & Southern Traction Company.*—Acceptance of ordinance. T. V. C. valuation. Ordinance and operating agreement with Chicago City Railway Company.

*Statistical Record.*—Financial, Construction and Operation. Comparative analysis of income and expenditures. Redistribution of Capital investment. Financial Exhibits by Companies. Derived Operating Statistics.

*Engineering Work.*—Test of Romapac rail. Redistribution of Capital value. Method of recording data.

Quantities and cost distribution of electrical distribution system. Redistribution of Capital values. Trolley feed in car houses. Map of low tension direct current tie lines. Electrolysis. Cost analysis of purchased power. Revision of power contracts. Recording cost and installation of cables.

Progress of building construction and values. Redistribution of Capital value.

Chicago Railways 1911 car. Summary of double truck equipment owned. Review of improvements in cars. Motor development. "Near-Side" Car of 1911. Platform loading speeds. Effect of coasting. Traffic and service. Headway and capacity of tracks. Congestion of streets.

Moving elevated columns—design and construction work.

*Ordinance.*—Full text of Chicago & Southern Traction Company Ordinance and Operating Agreement.

*Specifications.*—Supplement containing digest of specifications in force during rehabilitation and complete list issued by the Board.

### REPORT VI—1912.

*Chicago, Riverside & La Grange Railroad Company.*—Operating agreement with Southern Street Railway Company. Appraisal and discussion of ordinance.



## THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

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*Suburban Railroad Company.*—Appraisal and purchase by the Chicago Railways Company.

*Statistical Record.*—Financial, Construction and Operation. Comparative analysis of income and expenditures. Analysis of accidents and damages. Financial exhibits by companies. Derived operating statistics.

*Record of Growth.*—Analysis of past and prediction of future growth in population and earnings for Chicago.

*Surface Car Subways.*—Discussion of the principles involved in planning subways for surface car operation.

*Relations with the Municipality.*—Giving a record of the progress in improvements under the 1907 and subsequent ordinances.

*Engineering Work.*—Classification of track mileage by companies into tangent track, special work, and amount of extensions. Method of keeping chainage records. Emergency trackage. Rail wear from vehicle traffic. Improvement in track structures. Track repairs by electric welding.

Discussion of electrolysis situation. Analysis of the new electric power contract. Comparison of old versus new power contract. Growth of generating and sub-stations.

Effect of gear ratio on operating economy. Train resistance. Control of car heating by thermostat regulator. Comparison of the cost of steel versus cast iron wheels. Street capacity and occupancy of the loop district. Traffic survey outside of the loop district. Elements of a service standard. New car deliveries since February 1, 1907. Record of cars scheduled for operation for each year since 1907. Effect of the number of stops on car speed. Electric switches. Statement of the changes in through routes caused by the 1912 Through Route Ordinance. Principles of through routing cars.

*Ordinances.*—Suburban Railroad Company Ordinance. Chicago, Riverside & La Grange Railroad Company Ordinance and Operating Agreement. Extension Ordinances. Through Route Ordinance of July 15, 1912.

*Operating Routes.*—Description of routes operated by surface car lines as of the schedules of July, 1913.

*Renewals.*—Reprint of instruction booklet on renewals issued by the Board.

## GENERAL SUMMARY

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*Initial Routes for Subways.*—Reprint of the Board's recommendations to the City Council Committee on Local Transportation for initial subways for surface cars.

### REPORT VII—1913.

*Elevated and Surface Lines Unification.*—Negotiations for merger or operating agreement between the eight different companies (four surface and four elevated), so that a continuous ride, in any part of the City, may be had for a single fare with universal transfer between the surface, elevated or subway lines, also provision for the construction of subways in the congested downtown district.

*Unification of Surface Lines.*—Companies' proposal for unification—analysis of principal ordinance provisions.

*Subway Development.*—Chicago's need of subways. Proposed routes. Estimated cost. Technical studies.

*Statistical Record.*—Financial, Construction and Operation. Comparative analysis of income and expenditures. Redistribution of Capital investment. Financial Exhibits by Companies. Derived Operating Statistics.

*Engineering Work.*—Track mileage by companies, classification, tangent and special track work and extensions. Electrical distribution system. Power plants and sub-stations. Cars and car house storage. Conversion service agreement. Electrolysis.

*Unification Ordinance.*—Chicago Surface Lines. Full text of ordinance authorizing unified operation of the surface street railways in the City of Chicago and the operating agreement made a part of said ordinance passed by the City Council of the City of Chicago on November 13, 1913.

*Ordinance.*—County Traction Company. Full text of ordinance authorizing the Chicago Railways Company to enter into a lease or operating agreement with the County Traction Company by which each of said companies shall be allowed to use certain of the other company's tracks.

### REPORT VIII.—1914.

*Improvement to Service.*—Under unified operation by through routing, elimination of switch-backs, re-routing, additional cars, etc.

*Service Standards.*—Service checks and consideration of mandatory ordinance.

## THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

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*Statistical Record.*—Financial, construction and operation. Comparative analysis of income and expenditures. Redistribution of capital investment. Financial Exhibits by Companies. Derived Operating Statistics.

*Engineering Work.*—Track mileage by companies, classification, tangent and special track work and extensions. Electrical distribution system. Power and sub-station buildings. Cars, new and scheduled. Electrolysis.

*Operating Routes.*—Description of the operating routes of the Chicago Surface Lines.

*Accounting Statement.*—Full text of reply and statement of Bion J. Arnold, Chairman of Board of Supervising Engineers, with reference to the report of Barrow, Wade, Guthrie & Company, accountants, made to John E. Traeger, City Comptroller.

### REPORT IX.—1915.

*Accounting and Statistical Record.*—Financial, construction and operation, comparative analysis of income and expenditures, redistribution of capital investment, financial exhibits by companies, derived operating statistics.

*Engineering Work.*—Track mileage by companies, classification, tangent, special work and extensions, electrical distribution system, power plant and sub-station, buildings, cars, ventilation of cars, electrolysis.

*Traffic Investigation and Recommendation for Improved Service.*—Full text of report made of the observed conditions within the congested downtown district, determination of track capacity, recommendation for car loading berths and re-routing plans.

### REPORT X—1916.

*Accounting and Statistical Record.*—Financial, construction and operation, comparative analysis of income and expenditures, redistribution of capital investment, financial exhibits by companies, derived operating statistics.

*Engineering Work.*—Track mileage by companies, classification, etc., electrical distribution, electrolysis general report, cars, Van Buren Tunnel reconstruction, substation and battery equipment.

## GENERAL SUMMARY

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### REPORT XI—1917.

*Accounting and Statistical Record.*—Financial, construction and operation, comparative analysis of income and expenditures, redistribution of capital investment, financial exhibits by companies, derived operating statistics.

*Engineering Work.*—Track mileage by companies, classification, etc., substation and battery equipment, cars, electrolysis, West Twelfth Street widening.

Preparation of legislation for surface and elevated railway consolidation and subway construction.

### REPORT XII—1918.

*Accounting and Statistical Record.*—Financial construction and operation, comparative analysis of income and expenditures, redistribution of capital investment, financial exhibits by companies, derived operating statistics.

*Engineering Work.*—Track mileage by companies, classification, etc., substation and battery equipment, electrolysis, Hegewisch Extension completed; growth of power requirements, Chicago Surface Lines, and statement showing sources of power for street railway purposes—Feb. 1, 1907, to Feb., 1919. New cars placed in service; new arch roof cars under construction in companies' shops; extensive changes in street railway property made necessary because of public improvements.



**PART II**  
**FINANCIAL AND OPERATING STATISTICS**

**CHAPTER II**  
**ACCOUNTING**

**CHAPTER III**  
**FINANCIAL AND STATISTICAL EXHIBITS**  
**COSTS AND LOCATIONS**



## CHAPTER II.

### ACCOUNTING.

The methods of accounting in force during the year were the same as set forth in the previous reports of this Board. The combined income account of the Surface Lines is shown in condensed form as follows:

	Chicago Surface Lines for Year	*Other Items	Total
Gross Receipts.....	\$43,963,438.31	\$ 163.11	\$43,963,375.20
Operating Expenses.....	33,254,014.85	181,799.27	33,435,814.12
<b>Net Receipts.....</b>	<b>\$10,709,423.46</b>	<b>\$ 181,862.38</b>	<b>\$10,527,561.08</b>
Interest 5% on Capital.....			7,893,292.26
Divisible Receipts.....			\$ 2,634,268.82
Companies 45%.....			1,185,420.97
City of Chicago 55%.....			1,448,847.85

\*Joint account items not divisible, 60% and 40%.

†Credit.

The amounts reserved and deposited in the Renewal and Depreciation Reserve Funds as shown in C. C. Ry. Co. Exhibit I, C. Rys. Co. Exhibit O, and C. & S. C. Ry. Co. Exhibit S, representing 8% of the gross receipts, were computed on the basis of a 5c and 3c fare commencing with August, 1919, in accordance with order of the Public Utilities Commission, State of Illinois, dated August 6, 1919.





**CHAPTER III**  
**FINANCIAL AND STATISTICAL EXHIBITS**



## CHAPTER III.

### FINANCIAL AND STATISTICAL EXHIBITS.

#### EXHIBIT A.

### CHICAGO RAILWAYS COMPANY—CHICAGO CITY RAILWAY COMPANY—CALUMET & SOUTH CHICAGO RAILWAY COMPANY—THE SOUTHERN STREET RAILWAY COMPANY.

#### COMBINED BALANCE SHEET.

JANUARY 31, 1920.

#### ASSETS.

##### VALUE OF PROPERTIES:

Value as stated by Traction Valuation Commissions

June 30, 1906, February 1, 1908 and August 1, 1908. \$ 55,775,000.00

Certificates issued by Board of Supervising Engineers 102,763,423.00

Total Value of Properties—Schedule No. 1.....\$158,538,423.00

CURRENT ASSETS..... 14,589,715.94

Total.....\$173,128,138.94

#### LIABILITIES.

##### CAPITAL:

Representing purchase price of the properties in accordance with  
the terms of the City Ordinances.....\$158,538,423.00

RESERVE FOR DAMAGES (Prior to February 1, 1914)..... 151,951.51

RESERVE FOR DAMAGES (Chicago Surface Lines)..... 1,591,832.32

RENEWAL AND DEPRECIATION RESERVE FUNDS..... 10,213,158.21

##### CITY OF CHICAGO:

Proportion of profits.....\$ 1,448,847.85

Less taxes and licenses paid in advance..... 1,494.92

1,447,352.93

##### COMPANIES:

Proportion of profits..... 1,185,420.97

Total.....\$173,128,138.94

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT A—SCHEDULE No. 1.

CHICAGO RAILWAYS COMPANY—CHICAGO CITY RAILWAY  
COMPANY—CALUMET & SOUTH CHICAGO RAILWAY  
COMPANY—THE SOUTHERN STREET  
RAILWAY COMPANY.

VALUE OF PROPERTIES.

JANUARY 31, 1920.

	As Valued By T. V. C.	Additions To Jan. 31, 1919	Additions Feb. 1, 1919 To Jan. 31, 1920	Total
Organization.....	\$ 3,831,456.37	\$ 212,773.98		\$ 4,044,230.35
Engineering and super- intendence.....		7,047,122.45	\$ 138,653.32	7,185,775.77
Right of way.....		16,898.48		16,898.48
Track (exclusive of pav- ing).....	13,128,542.43	34,866,488.88	671,625.08	48,666,656.39
Paving.....	1,295,673.32	9,346,744.61	81,480.10	10,723,898.03
Electric line construc- tion.....	3,124,207.45	10,013,944.94	216,194.70	13,354,347.09
Real estate (used in operation of road)....	3,725,452.50	1,528,821.98	20,088.85	5,274,363.33
Buildings and fixtures..	4,074,172.22	7,592,167.47	23,382.27	11,689,721.96
Investment real estate..	1,083,233.73	* 1,083,233.73		
Power plant equipment.	2,838,853.38	3,430,374.40	2,337.62	6,271,565.40
Shop tools and machin- ery.....	597,858.14	544,938.98	47,045.49	1,189,842.61
Cars—Revenue.....	5,685,918.88	12,788,338.15	222,547.03	18,696,804.66
Electric equipment of cars.....	2,830,558.79	6,276,120.92	25,587.42	9,132,267.13
Miscellaneous equip- ment.....	267,680.82	634,718.29	52,344.13	954,743.24
Interest and discount...		2,677,007.60	59,180.90	2,736,188.50
Miscellaneous.....	11,311,979.32	259,557.92	23,819.61	11,595,356.85
Tunnels.....	941,290.00	3,210,172.60	80.00	4,151,542.60
Horses.....	33,300.00	* 4,170.00	* 4,917.50	24,212.50
Material and supplies...	961,752.24	1,903,334.61	* 205,934.51	2,659,152.34
Fill.....	41,261.20	119,241.32		160,502.52
Subways.....	1,809.21	3,817.46		5,626.67
Docks and wharves.....		4,726.58		4,726.58
	\$55,775,000.00	\$101,389,907.89	\$1,373,515.11	\$158,538,423.00

\*Credits.

## FINANCIAL EXHIBITS

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### EXHIBIT B.

#### CHICAGO RAILWAYS COMPANY—CHICAGO CITY RAILWAY COMPANY—CALUMET & SOUTH CHICAGO RAILWAY COMPANY—THE SOUTHERN STREET RAILWAY COMPANY.

#### COMBINED JOINT INCOME ACCOUNT. YEAR ENDED JANUARY 31, 1920.

**RECEIPTS:**

Residue Receipts of Chicago Surface Lines.....	\$10,709,423.46	
Earnings prior to February 1st, 1914, collected and credited this year.....*	63.11	
Total Receipts.....		\$10,709,360.35

**EXPENSES:**

Reserved for Damages.....	\$ 124,074.06	
Reserved for Taxes.....	10,834.16	
Miscellaneous General.....	46,896.10	
Renewals—8% of Joint Earnings.....*	5.05	
Total Expenses.....		181,799.27

Net receipts.....	\$10,527,561.08	
From which deduct interest on capital invested at 5%.....	7,893,292.26	
Remaining Net Receipts.....		\$ 2,634,268.82

**Divisible thus:**

City of Chicago..55%	\$1,448,847.85	
Companies 45%	1,185,420.97	
		\$ 2,634,268.82

\*Credits.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

## EXHIBIT C.

### CHICAGO SURFACE LINES.

#### JOINT INCOME ACCOUNT.

FOR THE YEAR ENDED JANUARY 31, 1920.

#### RECEIPTS:

Passenger car earnings.....	\$43,388,389.71
Chartered car earnings.....	7,102.00
Funeral car earnings.....	816.00
Income from mail carriers.....	29,249.34
Newspaper car earnings.....	10,127.00
Freight car earnings.....	1,984.83
Hospital car service.....	2,175.00
Advertising.....	235,964.63
Rents of buildings and other property.....	73,331.71
Rents of equipment.....	14,647.45
Sale of power.....	94,302.67
Miscellaneous income.....	5,426.49
Interest on deposits.....	99,921.48

Gross receipts..... **\$43,963,438.31**

#### OPERATING EXPENSES:

Way and structures.....	\$ 1,991,809.80
Equipment.....	3,057,446.35
Renewals.....	3,009,195.92
Power—Maintenance.....	298,750.56
Power—Operation.....	2,990,478.52
Conducting Transportation—Trainmen.....	14,544,169.66
Conducting Transportation—Other.....	2,089,154.39
Traffic.....	8,373.55
General and Miscellaneous—Damages.....	1,794,500.00
General and Miscellaneous—Other.....	1,396,136.10
Taxes.....	2,074,000.00

Total operating expenses..... **\$33,254,014.85**

Net receipts from operation..... **10,709,423.46**

#### DIVISION OF NET RECEIPTS:

Chicago Railways Company 60%.....	\$ 6,425,654.08
Chicago City Railway Company, including the Calumet & South Chicago Railway Company, and the Southern Street Ry. Company 40%.....	\$ 4,283,769.38

## FINANCIAL EXHIBITS

### EXHIBIT C—SCHEDULE No. 1.

#### CHICAGO SURFACE LINES.

##### OPERATING EXPENSES.

FOR THE YEAR ENDED JANUARY 31, 1920.

#### WAY AND STRUCTURES:

Superintendence of way and structures.....	\$ 53,855.95
Ballast.....	1,039.03
Ties.....	2,972.88
Rails.....	11,152.67
Rail fastenings and joints.....	60,305.85
Special work.....	72,661.50
Track and roadway labor.....	485,232.54
Miscellaneous track and roadway expenses.....	25,237.79
Paving.....	397,792.50
Cleaning and sanding track.....	511,995.04
Removal of snow and ice.....	89,781.59
Tunnels and subways.....	8,833.52
Bridges, trestles and culverts.....	9,582.44
Crossings, fences and signs.....	1,693.81
Signal and interlocking apparatus.....	2,125.11
Telephone and telegraph lines.....	272.78
Miscellaneous way expenses.....	1,751.00
Poles and fixtures.....	10,189.94
Underground conduits.....	19,845.37
Distribution system.....	127,092.31
Miscellaneous electric line expenses.....	2,013.80
Buildings, fixtures and grounds.....	113,323.44
Other operations—Credit.....*	<u>10,941.06</u>
<b>Total way and structures.....</b>	<b>\$1,991,809.80</b>

#### EQUIPMENT:

Superintendence of equipment.....	\$ 169,874.35
Passenger and combination cars.....	1,912,680.24
Freight, express and mail cars.....	745.30
Service equipment.....	80,034.96
Electric equipment of cars.....	1,022,459.93
Locomotives.....	1,148.19
Shop equipment.....	52,663.88
Shop expenses.....	287,481.51
Vehicles and horses.....	41,791.93
Other operations—Credit.....*	<u>511,433.94</u>
<b>Total equipment.....</b>	<b>\$ 3,057,446.35</b>

\*Credits.



# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

## OPERATING EXPENSES—Continued.

### POWER.

#### MAINTENANCE:

Superintendence of power.....	\$	11,511.18
Power plant buildings, fixtures and grounds.....		5,868.49
Substation equipment.....		287,148.48
Other operations—Credit.....*		5,777.59
Total maintenance.....	\$	298,750.56

#### OPERATION:

Substation employes.....	\$	183,702.37
Substation supplies and expenses.....		15,785.59
Power purchased.....		2,894,697.25
Other operations—Credit.....*		103,706.09
Total operation.....	\$	2,990,478.52
Total power.....	\$	3,289,229.08

#### CONDUCTING TRANSPORTATION:

Passenger conductors and motormen.....	\$	14,532,928.68
Other conductors and motormen.....		11,240.98
Conducting transportation—trainmen.....	\$	14,544,169.66
Superintendence of transportation.....	\$	458,718.64
Miscellaneous car service—Employes.....		68,535.58
Miscellaneous car service—Expenses.....		229,700.90
Station expenses.....		425.11
Carhouse employes.....		1,149,810.52
Carhouse expenses.....		43,197.20
Operation of signal and interlocking apparatus.....		1,706.35
Other transportation—Expenses.....		139,123.59
Other operations—Credit.....*		2,003.50
Conducting transportation—other.....	\$	2,089,154.39
Total conducting transportation.....	\$	16,633,324.05

#### TRAFFIC:

Superintendence and solicitation.....	\$	2,023.10
Advertising.....		6,350.45
	\$	8,373.55

\*Credits.

## FINANCIAL EXHIBITS

### OPERATING EXPENSES—Continued.

**GENERAL AND MISCELLANEOUS:**

Salaries and expenses of general officers.....	\$ 195,606.22
Salaries and expenses of general office clerks.....	144,105.54
General office supplies and expenses.....	73,424.91
Law expenses.....	100,066.18
Pensions and gratuities.....	733.12
Miscellaneous general expenses.....	346,200.63
Insurance.....	202,721.21
Stationery and printing.....	130,575.12
Store expenses.....	372,571.75
Garage and stable expenses.....	75,902.40
Rent of tracks and facilities.....	6,600.00
Rent of equipment.....	1,388.45
Other operations—Credit.....*	<u>253,759.43</u>
General and Miscellaneous—Other.....	\$ 1,396,136.10
Injuries and Damages.....	<u>1,794,500.00</u>
Total General and Miscellaneous.....	\$ 3,190,636.10
Taxes.....	\$ 2,074,000.00
Renewals.....	<u>3,009,195.92</u>
Total Operating Expenses.....	<u>\$33,254,014.85</u>

\*Credit.

**THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION**

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**EXHIBIT D.**

**CHICAGO SURFACE LINES.**

**CONDITION OF RESERVE FOR DAMAGE CLAIMS.**

**JANUARY 31, 1920.**

On hand February 1, 1919.....	\$ 1,307,483.07
Reserved during year.....	1,794,500.00
Interest allowed on Reserve Fund during year.....	51,443.86
<b>Total.....</b>	<b>\$ 3,153,426.93</b>
<b>Expended during year.....</b>	<b>1,561,594.61</b>
<b>On hand February 1, 1920.....</b>	<b>\$ 1,591,832.32</b>

# FINANCIAL EXHIBITS

## EXHIBIT E.

### CHICAGO RAILWAYS COMPANY—CHICAGO CITY RAILWAY COMPANY—CALUMET & SOUTH CHICAGO RAILWAY COMPANY—THE SOUTHERN STREET RAILWAY COMPANY.

#### OPERATING STATISTICS. YEAR ENDED JANUARY 31, 1920.

**GENERAL:**

Miles of single track owned.....	1,059
Miles of single track operated.....	981
Gross receipts of system.....	\$43,963,375.20
Gross receipts per mile of single track owned.....	\$ 41,514.11
Gross receipts per mile of single track operated.....	\$ 44,814.92
Gross earnings from operation.....	\$43,675,808.51

**TRANSPORTATION:**

Total passengers carried.....	1,302,275,756
Passengers carried for revenue.....	743,742,491
Passengers carried on transfers.....	528,760,761
Total revenue car miles.....	114,384,931
Total revenue car hours.....	12,922,185
Per cent of transfer passengers to revenue passengers (including children and free).....	68.36
Average gross receipts per passenger (cents).....	3.38
Average passenger earnings per passenger (cents).....	3.33
Average expense per passenger, including 5% interest on agreed valuation of property (cents).....	3.16
Average operating expenses per passenger, including taxes (cents).....	2.55
Average interest charges per passenger, based on agreed valuation of the property (mills).....	6.06
Average profit per passenger (mills).....	2.02
City's proportion (55%) of profit per passenger (mills).....	1.11
Company's proportion (45%) of profit per passenger (mills).....	.91

**POWER:**

Total output for railway use (kw. hrs. d. c.).....	480,921,119
Rated capacity for railway use (kw.)**.....	164,989
Maximum demand for railway use (kw. d. c.).....	134,705
Load factor, for railway use (ave. hour monthly).....	47.81
Total cost per kw. hr. all plants at direct current bus. for railway use (cents)*.....	.9868
Energy consumed per total car mile (kw. hrs.).....	4.18

\*Includes fixed charges, operating and maintenance costs of generating and substations.

\*\*Includes 5089 kw. capacity in Commonwealth Edison Company's Steam Stations, used on winter peak only, and excludes 3040 kw. storage battery capacity.

**THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION**

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**EXHIBIT F.**

**CHICAGO CITY RAILWAY COMPANY, INCLUDING THE  
SOUTHERN STREET RAILWAY COMPANY.**

**BALANCE SHEET.**

**JANUARY 31, 1920.**

**ASSETS.**

**VALUE OF PROPERTIES:**

**Chicago City Railway Co.:**

Value as stated by Traction Valuation Commission

June 30, 1906.....\$21,000,000.00

Certificates issued by Board of Supervising Engineers 33,442,498.82

Total value of properties—Schedule No. 1..... \$54,442,498.82

**The Southern Street Railway Co.:**

Value as stated by Traction Valuation Commission

August 1, 1908.....\$ 775,000.00

Certificates issued by Board of Supervising Engineers 930,250.35

Total value of properties—Schedule No. 2..... 1,705,250.35

**CURRENT ASSETS**..... 4,402,384.17

**Total**..... \$60,550,133.34

**LIABILITIES.**

**CAPITAL:**

Chicago City Railway Company.....\$54,442,498.82

The Southern Street Railway Company..... 1,705,250.35

Total..... \$56,147,749.17

Representing purchase price of the properties in accordance with the terms of the City Ordinances.

**RESERVE FOR DAMAGES**..... 67,653.32

**RENEWAL AND DEPRECIATION RESERVE FUND**..... 3,528,803.95

**CITY OF CHICAGO:**

Proportion of profits of south side lines.....\$ 443,588.68

Less taxes and licenses paid in advance..... 597.97 442,990.71

**CHICAGO CITY RAILWAY COMPANY, CALUMET & SOUTH  
CHICAGO RAILWAY COMPANY, THE SOUTHERN STREET  
RAILWAY COMPANY:**

Proportion of profits..... 362,936.19

**Total**..... \$60,550,133.34

# FINANCIAL EXHIBITS

## EXHIBIT F—SCHEDULE No. 1.

### CHICAGO CITY RAILWAY COMPANY.

#### VALUE OF PROPERTIES.

JANUARY 31, 1920.

	As valued by T. V. C.	Additions		Total
		July 1, 1906 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	
Organization.....	\$ 1,525,650.00	\$ 25,416.29		\$ 1,551,066.29
Engineering and super- intendence.....		3,628,093.25	\$ 68,635.38	3,696,728.63
Right of way.....		15,360.00		15,360.00
Track (exclusive of pav- ing).....	4,568,062.00	9,525,321.91	292,818.75	14,386,202.66
Paving.....	463,490.00	3,151,992.75	38,106.68	3,653,589.43
Electric line construc- tion.....	1,448,259.00	2,993,360.19	83,635.13	4,525,254.32
Real estate.....	1,095,366.00	685,337.68	7,717.68	1,788,421.36
Buildings and fixtures..	1,525,393.00	2,541,581.74	10,385.35	4,077,360.09
Power plant equipment.	1,233,281.00	1,429,284.41	223.77	2,662,789.18
Shop tools and machin- ery.....	198,183.00	182,687.47	12,053.03	392,923.50
Cars—Revenue.....	2,936,352.00	4,452,745.17	188,934.23	7,578,031.40
Electric equipment of cars.....	1,525,234.00	1,703,047.06	16,804.08	3,245,085.14
Miscellaneous equip- ment.....	105,651.00	316,842.51	22,947.65	445,441.16
Interest and discount...		1,348,616.44	30,216.87	1,378,833.31
Miscellaneous.....	3,841,811.00	85,661.13	12,727.26	3,940,199.39
Horses.....	12,010.00	358.00	1,967.00	9,685.00
Material and supplies...	505,000.00	641,034.76	82,373.80	1,063,660.06
Fuel.....	16,258.00	16,258.00		
Fill.....		31,867.00		31,867.00
	<u>\$21,000,000.00</u>	<u>\$32,741,633.76</u>	<u>\$ 700,865.06</u>	<u>\$54,442,498.82</u>

\*Credits.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT F—SCHEDULE No. 2.

THE SOUTHERN STREET RAILWAY COMPANY.

VALUE OF PROPERTIES.

JANUARY 31, 1920.

	As Valued by T. V. C.	Additions Aug. 1, 1908 to Jan. 31, 1919	Additions Feb. 1, 1919 to Jan. 31, 1920	Total
Organization.....	\$ 47,286.48			\$ 47,286.48
Engineering and Superin- tendence.....		\$ 115,447.52	\$ 1,011.36	116,458.88
Track (Exclusive of Paving)	245,138.15	402,047.70	3,059.16	650,245.01
Paving.....	170,943.81	140,905.95		311,849.76
Electric Line Construction..	35,974.12	126,404.62	7,053.41	169,432.15
Real Estate.....	37,522.00	* 17,288.17	.85	20,234.68
Buildings and Fixtures.....	40,136.80			40,136.80
Power Plant Equipment....	47,862.78			47,862.78
Shop Tools and Machinery..	2,295.11			2,295.11
Cars—Revenue.....	23,032.60	126,897.53		149,930.13
Electric Equipment of Cars.	15,539.20	61,029.97		76,569.17
Miscellaneous Equipment...	3,535.03	330.20		3,865.23
Interest and Discount.....		39,862.03	505.66	40,367.69
Miscellaneous.....	105,733.92	* 77,017.44		28,716.48
	<u>\$ 775,000.00</u>	<u>\$ 918,619.91</u>	<u>\$ 11,630.44</u>	<u>\$1,705,250.35</u>

\*Credits.

## FINANCIAL EXHIBITS

### EXHIBIT G.

#### CHICAGO CITY RAILWAY COMPANY—SOUTHERN STREET RAILWAY COMPANY—CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

##### JOINT INCOME ACCOUNT. FOR YEAR ENDED JANUARY 31, 1920.

<b>RECEIPTS:</b>		
40% of Chicago Surface Lines Residue Receipts.....	\$4,283,769.38	
Total Receipts.....	\$4,283,769.38	
<b>EXPENSES:</b>		
Reserved for damages.....	100,385.41	
Reserved for taxes.....	18,549.67	
Miscellaneous general.....	6,556.58	
Total Expenses.....	\$ 125,491.66	
Net Receipts.....	4,158,277.72	
From which deduct Interest on Capital Invested at 5%—		
Chicago City Railway Company.....	\$2,705,676.19	
Calumet & South Chicago Ry. Co.....	561,059.73	
Southern Street Railway Co.....	85,016.93	3,351,752.85
Remaining Net Receipts.....	\$ 806,524.87	
<b>Divisible thus:</b>		
City of Chicago—55%.....	\$ 443,588.68	
Companies —45%.....	362,936.19	806,524.87



**THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION**

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**EXHIBIT H.**

**CHICAGO CITY RAILWAY COMPANY—THE SOUTHERN  
STREET RAILWAY COMPANY.**

**CONDITION OF RESERVE FOR DAMAGE CLAIMS.**

**At JANUARY 31, 1920.**

**For Accidents occurring between February 1, 1907, and January 31, 1914:**

On hand February 1, 1919.....	\$ 15,797.91
Reserved during year.....	94,985.41
Interest allowed on Reserve Fund during year.....	803.10
<b>Total.....</b>	<b>\$ 111,586.42</b>
<b>Expended during year.....</b>	<b>43,933.10</b>
<b>On hand February 1, 1920.....</b>	<b>\$ 67,653.32</b>

# FINANCIAL EXHIBITS

## EXHIBIT I.

### CHICAGO CITY RAILWAY COMPANY—THE SOUTHERN STREET RAILWAY COMPANY.

#### RENEWAL AND DEPRECIATION RESERVE FUND.

JANUARY 31, 1920.

Balance in fund February 1, 1919.....			\$3,298,935.29
Reserved during year:			
90.09% of 40% of 8% of gross receipts of Chicago Surface Lines, based on decision of State Public Utilities Commission, com- mencing August, 1919.....			1,084,393.84
Salvage from Special Accounts.....	\$	51,842.91	
Sale of unnecessary property.....		30,918.44	
Interest added to fund.....		103,469.95	186,231.30
Total.....			\$4,569,560.43
Expended for Renewals.....			1,040,756.48
Balance in fund February 1, 1920.....			\$3,528,803.95

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT I—SCHEDULE No. 1.

CHICAGO CITY RAILWAY COMPANY, INCLUDING SOUTHERN STREET RAILWAY COMPANY.

CERTIFICATES FOR RENEWALS.

FOR PERIOD FEBRUARY 1, 1919 TO JANUARY 31, 1920.

Certificate No.	For Period	Amount
108	February 1, 1919, to February 28, 1919.....	\$ 32,168.30
109	March 1, 1919, to March 31, 1919.....	76,391.04
110	April 1, 1919, to April 30, 1919.....	132,808.65
111	May 1, 1919, to May 31, 1919.....	127,585.98
112	June 1, 1919, to June 30, 1919.....	96,838.25
113	July 1, 1919, to July 31, 1919.....	49,082.55
114	August 1, 1919, to August 31, 1919.....	68,857.32
115	September 1, 1919, to September 30, 1919.....	97,695.36
116	October 1, 1919, to October 31, 1919.....	99,287.56
117	November 1, 1919, to November 30, 1919.....	107,516.70
118	December 1, 1919, to December 31, 1919.....	70,652.57
119	January 1, 1920, to January 31, 1920.....	81,872.20
		\$1,040,756.48
	Reported previous to February 1, 1919.....	6,417,205.85
		\$7,457,962.33

EXHIBIT I—SCHEDULE NO. 2.  
CHICAGO CITY RAILWAY COMPANY.

EXPENDITURES FOR RENEWALS—COSTS AND LOCATIONS.

APRIL 16, 1910, TO JANUARY 31, 1920.

Many of the following are split accounts, i. e., carrying charges to both Capital and Renewals, but only charges to Renewal Accounts are shown herein.

	April 16, 1910 to	Feb. 1, 1919 to	Total
	Jan. 31, 1919	Jan. 31, 1920	
Closed accounts previously reported.....	\$ 4,150,039.41	.....	\$ 4,150,039.41
7011 Reconst. trks. and pvg., various locations, a/c trk. elevation.....	47,980.19	\$ 4,396.50	52,376.69
7013 Elect. wk. in conn. with trk. wk., various locations, a/c trk. elevation.....	4,898.16	23.05	4,921.21
7042 Overhauling and painting wk. cars and wagons used on const. and maintenance wk.....	3,110.60	4,062.39	7,172.99
7047 Elect. wk. at various locations.....	4,719.96	5.25	4,725.21
7097 Elect. wk., 31st St., from Pitney Court to Rock Island tracks.....	5,066.78	4.50	5,071.28
7108 Str. and spl. trk. wk. and pvg., Kedzie Ave., from I. & M. Canal (35th St.) to 49th St.....	54,872.68	8.50	54,881.18
7116 Purchase and install. of office furniture and equipmt. at various locations.....	2,953.43	349.69	2,403.12
7146 Elect. wk. a/c abandoning bridge over Chicago River and trk. elevation wk. of the C. J. Ry. Co. N. of River.....	517.68	1.94	519.62
7174 Renw. of trly. Archer Ave., Kedzie Ave. to Halsted St.....	4,422.20	364.87	4,787.07
7187 Reconst. of trks. and pvg., 63rd St., 150 ft. W. of Stewart Ave. to Union Ave. and Halsted St. to Racine Ave.....	13,375.04	20,978.18	34,353.22
7188 Str. trk. wk. and pvg., Ashland Ave., 60th St. to N. of 71st St.....	3,021.96	28.64	3,050.60
7199 Elect. wk. at various locations.....	605.48	1,971.18	2,576.66
7210 Elect. wk. at various locations.....	1,351.05	2,746.13	4,097.18
7214 Elect. wk. at various locations.....	185.55	118.87	304.42
7218 Elect. wk., Halsted-Root to 49th Sts., Halsted & 40th St. (C. J. Sub-way).....	2,464.24	9.11	2,455.13
7219 Renw. of str. trk. wk., Wentworth Ave., Root St. to 59th St.....	11,546.60	75,705.97	87,252.57
7220 Renw. of spl. trk. wk., Clark & Van Buren Sts.....	1,859.00	471.00	2,330.00
7231 Renw. of seven car bodies, including install. of trucks, etc., at the W. Shops.....	13,491.88	13,854.77	27,346.65
7236 Str. and spl. trk. wk. and pvg. on Central Ave., 63rd St. to 63rd Pl.....	.....	1,058.05	1,058.05

\*Credit.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	April 16, 1910 to Jan. 31, 1910	Feb. 1, 1910 to Jan. 31, 1910	Total
	\$	\$	\$
7240 Elect. wk. at various locations.....	6,029.14	158.20	6,187.34
7241 Elect. wk. at various locations.....	6,520.91	255.94	6,776.85
7246 Elect. wk., Racine Ave., 47th to 63rd Sts. and 69th to 79th Sts.	2,291.58	779.77	3,071.35
7248 Elect. wk., S. Chicago Ave., 71st to 75th Sts.	50.20	398.67	448.87
7249 Renw. of spl. trk. wk., 31st St. and Wentworth Ave.	4,657.00	176.00	4,833.00
7251 Renw. of spl. trk. wk., 63rd St. & Cottage Grove Ave.	.....	2,436.00	2,436.00
7252 Elect. wk., Central Ave., 63rd St. to 63rd Pl.	7.63	165.98	173.61
7253 Repla. of present gears and pinions WH-306 at S. Shops.	1,695.61	5,974.39	7,670.00
7254 Remodeling 19 K. V. A. reactances at various sub. stations.	3,346.61	2,872.17	6,218.78
7257 Reconst. of spl. trk. wk., 78th St. and Vincennes Ave.	3,193.52	10.68	3,174.20
7260 Reconst. of spl. trk. wk., Vincennes Ave. N. of 78th St.	843.65	21.35	865.00
7264 Str. trk. wk. and pvg. on 42nd St. from Ashland Ave. to W. of Marsh- field Ave.	.....	84.24	84.24
7265 Reconst. spl. trk. wk., 47th St. and P. C. C. & St. L. R. R. at Leavitt St.	1,755.72	7.14	1,762.86
7267 Spl. trk. wk., 18th St. and Indiana Ave.	2,833.38	86.62	2,920.00
7271 Renw. of spl. wk., Van Buren St. W. of State St.	3.14	768.36	771.50
7272 Renw. of 95 pairs McGuire M. C. B. truck frames on various cars at South Shops	.....	.....	.....
7276 Elect. wk. Archer Ave., Halsted St. to State St.	971.62	44,601.13	45,572.75
7277 Str. & spl. trk. wk. & pvg., Racine Ave., 74th St. to N. of 75th St.	2,056.55	243.88	2,300.43
7279 Renw. of spl. trk. wk., Clark St. S. of Van Buren St.	.....	4,173.64	4,173.64
7280 Renw. of spl. trk. wk., 69th St. and Ashland Ave.	34.11	1,667.89	1,702.00
7283 Str. & spl. trk. wk. & pvg., 39th St., Ashland Ave. to Western Ave., 35th St. & Ashland Ave.	4,975.00	1,083.00	6,058.00
7285 Repla. of present thermostat equipments. on various cars at the South Shops	6,688.67	124.72	6,813.39
7287 Renw. of spl. trk. wk., State St. & private R-W N. of 63rd St.	35.75	6,233.15	6,268.90
7288 Renw. of spl. trk. wk., State St. S. of 39th St. and N. of 40th St.	1,075.00	390.00	1,465.00
7289 Renw. of 2846 GE-80 Armature Shafts at the South Shops.	1,393.96	1,594.69	2,988.65
7290 Spl. trk. wk. at 59th St. and Halsted St.	11,772.85	10,285.35	22,058.20
7292 Spl. trk. wk. and pvg. at 47th St. & Leavitt St., P. C. C. & St. L., B. & O. C. T. and C. J. railroads	.....	2,259.00	2,259.00
7294 Renw. of W. wall of carhouse, 88th St. & Vincennes Ave.	.....	3,560.16	3,560.16
7295 Renw. of spl. trk. wk., State and 21st Sts.	46.56	168.44	215.00
7297 Renw. of spl. trk. wk., 31st St. & State St.	53.52	2,641.48	2,695.00
7298 Renw. of spl. trk. wk., 35th St. and Wallace St.	.....	1,742.00	1,742.00
7299 Renw. of spl. trk. wk., Cottage Grove Ave. and 38th St.	.....	1,887.00	1,887.00
7300 Renw. of spl. trk. wk., 38th Pl. and Halsted St.	11.35	2,116.65	2,128.00
	10.26	2,053.74	2,064.00

# FINANCIAL EXHIBITS

7301	Renw. of spl. trk. wk., Garland and Randolph Sts.....	34.45	1,214.55	1,249.00
7302	Renw. of spl. trk. wk., Harrison St. and Wabash Ave.....	.....	2,207.00	2,207.00
7303	Renw. of spl. trk. wk., Harrison and State Sts.....	18.05	2,160.95	2,188.00
7304	Renw. of spl. trk. wk., Randolph St. and Wabash Ave.....	11.83	1,346.71	1,358.54
7305	Renw. of spl. trk. wk., Wabash Ave. and Washington St.....	8.04	1,632.36	1,641.00
7306	Renw. of spl. trk. wk., 35th St. and California Ave.....	24.57	1,567.43	1,592.00
7307	Str. trk. wk. and pvg., State St. N. of 53rd St.....	.....	604.32	604.32
7308	Renw. of spl. trk. wk., 22nd and State Sts.....	25.44	5,064.56	5,090.00
7309	Renw. of spl. trk. wk., 77th St. and Vincennes Ave.....	27.44	953.18	980.62
7310	Renw. of spl. trk. wk., 36th St. and California Ave.....	9.69	1,835.31	1,845.00
7311	Reconst. of trks. and pvg., 63rd St., State St. to 180 ft. E. of Wentworth Ave.....	1,081.01	6,794.11	7,875.12
7312	Spl. trk. wk., Wentworth Ave. at private R-W S. of 63rd St.....	.....	1,995.00	1,995.00
7313	Elect. wk. at 63rd St., Wentworth Ave. to State St.....	.....	1,847.51	1,847.51
7314	Spl. trk. wk., 63rd St. and State St.....	.....	5,276.00	5,276.00
7315	Spl. trk. wk. & pvg., 39th and Halsted Sts.....	.....	1,933.01	1,933.01
7316	Spl. trk. wk., 48th St. and Wabash Ave.....	8.04	3,031.00	3,031.00
7317	Spl. trk. wk., 30th St. and Wentworth Ave.....	.....	6,279.00	6,279.00
7318	Elect. wk., 22nd St., Chicago River to Cottage Grove Ave.....	.....	557.69	557.69
7319	Spl. trk. wk., 51st St. and Indiana Ave.....	.....	3,535.00	3,535.00
7320	Spl. trk. wk., Dearborn and Van Buren Sts.....	.....	499.32	499.32
7321	Spl. trk. wk., Racine Ave. & Englewood connecting R. R. N. of 59th St.....	.....	576.55	576.55
7322	Constr. of new coil room, install. addnl. equipt., in motor repair dept., South Shops.....	.....	532.68	532.68
7323	Spl. trk. wk., Cottage Grove Ave. N. of 63rd St.....	.....	751.76	751.76
7324	Elect. wk., Clark St., Washington to 22nd Sts. and Clark St. at 16th St.....	.....	604.75	604.75
7325	Str. & spl. trk. wk. & pvg., Archer Ave. from Kedzie Ave. to Central Park Ave.....	.....	6.38	6.38
7326	Spl. trk. wk., 26th St. and Wentworth Ave.....	.....	590.00	590.00
7327	Elect. wk., Monterey Ave., 111th St. from Sacramento Ave. to Vincennes Ave.....	.....	1,364.88	1,364.88
7328	Elect. wk., Vincennes Ave., 85th St. to Monterey Ave.....	.....	3,681.84	3,681.84
7329	Elect. wk., Throop & Morgan Sts., Archer Ave. to 39th St.....	.....	468.45	468.45
7332	Spl. trk. wk., Clark St. N. of 16th St.....	.....	3,267.06	3,267.06
7333	Str. & spl. trk. wk. & pvg., Clark St. bridge & approaches at Chicago River (S. half only).....	.....	415.47	415.47
7334	Elect. wk., Halsted St., O'Neil St. to center of River at 25th St.....	.....	82.53	82.53
7335	Elect. wk., Halsted St. from Center of River at 25th St. to 83th St.....	.....	11,306.42	11,306.42
7336	Elect. wk., 38th St. & Cottage Grove Ave. Car Sta.....	.....	850.00	850.00

\*Credit.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	April 16, 1910		Feb. 1, 1919		Total	
	to	Jan. 31, 1919	to	Jan. 31, 1920		
7337	Elect. wk., Kedzie Ave. from 31st to 38th Sts.	.....	\$	873.57	\$	873.57
7338	Elect. wk., Archer Ave. from Central Park to Kedzie Aves.	.....	\$	696.06	\$	696.06
7339	Spl. trk. wk., State and Washington Sts.	.....		978.26		978.26
7340	Spl. trk. wk., Lake & State Sts.	.....		2,544.00		2,544.00
7341	Spl. trk. wk., Archer Ave. and Canal St.	.....		386.35		386.35
7342	Elect. wk., 47th St. from Racine Ave. to Indiana Ave.	.....		1,338.13		1,338.13
7343	Complete renw. of roofing at Machine Shop—78th St. & Vincennes Ave.	.....		1,053.93		1,053.93
7344	Spl. trk. wk., 59th & State Sts.	.....		3,281.00		3,281.00
7345	Elect. wk. at various locations.	.....		15,671.64		15,671.64
7346	Elect. wk., Ashland Ave., 71st St. to 75th St.	.....		506.80		506.80
7347	Elect. wk. at alley E. of State St. on 31st St. & Pitney Ct., Archer Ave. to Lake Park Ave.	.....		3,234.89		3,234.89
7348	Renw. of one roof acetylene generator at South Shop—Machine Shop.	.....		590.18		590.18
7349	Spl. trk. wk. at 61st & State Sts.	.....		5,715.00		5,715.00
7351	Elect. wk., 59th St. from Leavitt St. to Ashland Ave. and at Wallace St. & Stewart Ave.	.....		494.40		494.40
7352	Elect. wk., Dearborn St. from Monroe to Adams Sts.	.....		82.44		82.44
7353	Renw. of platform floors, etc., on 124 cars at South Shops.	.....		8,074.88		8,074.88
7354	Elect. wk. at 77th St. Shops Yd. S. of 78th St.	.....		588.05		588.05
7355	Str. & spl. trk. wk. & pvg., Vincennes Ave. from 77th St. to X-over N. of 77th St.	.....		1,134.29		1,134.29
7356	Str. & spl. trk. wk. & pvg., 51st St. from Wentworth Ave. to X-over W. of Wentworth Ave.	.....		1,305.96		1,305.96
7357	Spl. trk. wk., 64th St. and Harper Ave.	.....		1,561.00		1,561.00
7358	Spl. trk. wk. and pvg., Keefe Ave. & Rhodes Ave.	.....		209.49		209.49
7359	Pvg. wk., Western Ave. bridge over I. & M. Canal.	.....		632.38		632.38
7360	Elect. wk., Wabash Ave. from Lake to Van Buren Sts.	.....		584.91		584.91
7361	Renw. of bldgs. & equipmt. and install. of new & addnl. equip. for sand dryer plant, 78th St. E. of Vincennes Ave.	.....		9,249.95		9,249.95
7362	Str. & spl. trk. wk. in private R-W (Wentworth Ave.) N. of 83rd St. to S. of 84th St.	.....		377.00		377.00
7364	Spl. trk. wk., 61st St. & Cottage Grove Ave.	.....		1,679.00		1,679.00
7365	Elect. wk. in private R-W (Wentworth Ave.), 79th St. to S. of 85th St.	.....		348.47		348.47
7366	Spl. trk. wk., 63rd St. and Halsted St.	.....		5,285.98		5,285.98
7367	Spl. trk. wk., 59th St. and Wentworth Ave.	.....		1,842.00		1,842.00
7368	Spl. trk. wk., 69th St. and Racine Ave.	.....		727.00		727.00
7370	Spl. trk. wk., 51st St. and Ashland Ave.	.....		3.50		3.50

# FINANCIAL EXHIBITS

7371	Elect. wk. at various locations.....	87.46	
7372	Str. trk. wk. & pvg., State St., N. of 63rd St.....	308.70	308.70
7373	Spl. trk. wk., 79th St. and Halsted St.....	.82	.82
7374	Spl. trk. wk. & pvg., Clark St. bet. Madison & Washington Sts.....	671.56	671.56
7375	Spl. trk. wk., Archer Ave. and Western Ave.....	2,494.00	2,494.00
7377	Spl. trk. wk., Dearborn St. and Monroe St.....	284.86	284.86
7378	Spl. trk. wk., Ashland Ave., N. of 55th St.....	1,703.00	1,703.00
7379	Spl. trk. wk., 47th St. W. of Halsted St.....	1,703.00	1,703.00
7380	Spl. trk. wk., 63rd St. and Ashland Ave.....	804.02	804.02
7383	Spl. trk. wk., Cottage Grove Ave. S. of 31st St.....	1,885.00	1,885.00
7385	Spl. trk. wk., 47th St. and Western Ave.....	22.67	22.67
7389	Spl. trk. wk., 63rd St. W. of Wentworth Ave.....	1,744.75	1,744.75
10001	Spl. trk. wk., 18th St. and Clark St.....	247.92	247.92
10003	Deferred payments chgd. to closed renewal accts.....	* 3,743.72	* 3,743.72
10004	Spl. trk. wk., 22nd St. and Cottage Grove Ave.....	5,579.53	5,579.53
10014	Str. trk. wk., Wabash Ave., S. of Washington St.....	4,803.08	4,803.08
	Depreciation of power plant machinery and equip. included in primary cost for power.....		
10015	Renewals on Plymouth Court battery.....	1,172,170.49	1,172,170.49
10016	Depreciation of joint sub. sta. operated by the C. E. Co.....	75,433.70	75,433.70
10017	Renw. of GE-67 top motor shells.....	52,334.72	52,334.72
#10021	Str. trk. wk., Clark St., N. of Harrison St.....	5,295.26	1,854.43
10026	Elect. wk. at various locations.....	3,263.39	* 1,740.74
10028	Elect. wk. at various locations.....	9,105.77	474.01
10092	Renw. of pvg. Van Buren St., from Clark to State Sts.....	666.97	5.22
10098	Renw. and remodeling 300 K.V.A. reactances at various sub. stations.....	1,902.39	* 283.45
10121	Renw. of chain door & step operating device on 100 cars at the South Shops.....	3,104.60	* 20.04
10126	Spl. trk. wk., State and Madison Sts.....	12,784.35	39.16
10128	Spl. trk. wk., 39th St. and Indiana Ave.....	3,650.35	530.49
10152	Spl. trk. wk., State and Washington Sts.....	24.23	11,295.63
10157	Spl. trk. wk., 63rd St. and State St.....	676.12	97.06
10186	Elect. wk., Kedzie Ave., from 31st St. to 43rd St.....	1,161.81	* 1,161.81
10190	Str. trk. wk. & pvg. 63rd St. & Ill. Cent. R. R. Co. Sub. at Dorchester Ave.....	2,538.36	5.25
10192	Spl. trk. wk., Clark and Madison Sts.....	12,954.67	* 11,550.07
10202	Elect. wk. on Clark St. Bridge.....	4,945.59	* 154.72
10212	Rehab. of 2808 GE-80 Motors, including renw. of armature and axle bearings, etc., at South Shops.....	280.38	.01
	*Credit. #Old No. 2686.....	13,602.61	65,040.89
			78,643.50



# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	April 16, 1910		Feb. 1, 1919		Total
	to	Jan. 31, 1919	to	Jan. 31, 1920	
10225	\$	857.32	\$ *	11.99	\$ 845.33
10226		47,410.70	*	129,260.16	176,670.86
10227		1,088.74		1,088.74	
10229		738.94		572.30	1,311.24
10230		108.93		31,994.67	32,103.60
10231		11,497.01		10,350.66	21,847.67
10233		15.38		2,000.74	2,016.12
10234					
10235				4,545.01	4,545.01
10236				1,213.34	1,213.34
10237				8,511.37	8,511.37
10238				46.45	46.45
10239				16,365.68	16,365.68
10240				33,008.09	33,008.09
10241				53,163.86	53,163.86
10242				3,239.80	3,239.80
10243				686.01	686.01
10244				200.49	200.49
10245				3,304.86	3,304.86
10246				25,558.39	25,558.39
10248				10,529.84	10,529.84
10249				1,456.77	1,456.77
10250				1,213.64	1,213.64
				25,752.01	25,752.01
				1,839.80	1,839.80
				5,948.27	5,948.27
				7,851.00	7,851.00
				28,043.62	28,043.62

## FINANCIAL EXHIBITS

### SOUTHERN STREET RY. CO. ACCOUNTS:

17014	Elect. wk., 2nd St. Bridge E. of Lumber St. and Sub. at 22nd St. & Campbell Ave.....	498.27	
17016	Elect. wk., Thropp St. and C. & A. Sub., N. of Archer Ave.....	2,227.83	2,776.10
17019	Spl. trk. wk., 22nd St. at Trumbull Ave.....	548.90	548.90
17030	Elect. wk., 22nd St. at Trumbull Ave.....	2,786.39	2,793.21
17021	Elect. wk., Kedzie Ave., from 22nd St. to 31st St.....	120.94	120.94
18015	Rehab. of 120 GE-80 Motors, including renw. of armature & axle bearings, etc., at South Shops.....	564.77	564.77
		1,931.73	7,555.27
		\$6,417,205.85	\$7,457,962.33

\*Credit.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT J.

CERTIFICATES ISSUED BY BOARD OF SUPERVISING  
ENGINEERS COVERING CONSTRUCTION AND  
REHABILITATION EXPENDITURES MADE  
BY CHICAGO CITY RAILWAY COMPANY.

FEBRUARY 1, 1919, TO JANUARY 31, 1920.

Certificate No.	Date	Amount
266	March 1, 1919	\$ 575.00
268	April 1, 1919	17,250.00
269	April 15, 1919	60,659.31
270	May 1, 1919	1,150.00
271	May 19, 1919	41,876.96
272	June 1, 1919	115.00
273	June 13, 1919	61,968.45
274	July 1, 1919	1,150.00
275	July 15, 1919	86,341.27
276	August 1, 1919	1,150.00
277	August 26, 1919	122,192.30
278	September 1, 1919	11,500.00
279	September 18, 1919	77,149.54
280	October 1, 1919	1,150.00
281	October 16, 1919	46,381.18
282	November 1, 1919	575.00
283	November 15, 1919	27,967.93
284	December 1, 1919	1,150.00
285	December 13, 1919	11,992.73
286	January 1, 1920	5,750.00
287	January 15, 1920	24,639.30
288	February 1, 1920	115.00
289	February 25, 1920	68,132.61
291	March 10, 1920	29,933.48
Reported previous to February 1, 1919		\$ 700,865.06
		32,741.633.76
		<u>\$33,442,498.82</u>

EXHIBIT J.—SCHEDULE No. 1.  
CHICAGO CITY RAILWAY COMPANY.  
ADDITIONS TO CAPITAL ACCOUNT—COSTS AND LOCATIONS.

JULY 1, 1906 TO JANUARY 31, 1920.

Many of the following are split accounts, i. e., carrying charges to both Capital and Renewals, but only charges to Capital Account are shown herein.

	July 1, 1906 to	Feb. 1, 1919 to	Total
Accounts previously reported.....	\$27,027,814.17	.....	\$27,027,814.17
6007 Pvg. outside right of way acct. trk. wk. only.....	114,170.93	3,011.43	117,182.36
6026 Engineering and Potential Surveys.....	39,677.78	5,758.37	45,436.15
6043 Const. new and adnl. patterns—Fiscal Year 1917.....	10,639.45	2,361.71	19,001.16
6054 Install. of trk. drains.....	3,680.86	13.26	3,694.12
6056 City of Chicago—Special Assessments.....	7,389.40	7,717.68	15,107.08
6060 Purchase of new shop tools and equipt. at the South Shops.....	18,032.21	5,199.24	23,231.45
6068 Install. of new and adnl. automatic elect. trk. switches at various locations.....	4,596.42	14.25	4,610.67
6073 Elect. wk., Ashland Ave. from 75th to 79th Sts.....	4,612.96	7.00	4,619.96
6090 Connecting subway structures of steam railroads to trks. at various locations.....	3,031.39	47.00	3,078.39
6095 Purchase and install. of new and adnl. office equipt. at various locations.....	3,301.90	520.60	3,912.50
6099 Spl. trk. wk. at various locations.....	2,918.42	1,650.38	4,568.80
6105 Elect. wk. bet. the Wabash Ave. rails and the elevated structure at Van Buren St., Adams St., Madison and Randolph Sts.....	213.41	6.50	219.91
6106 Elect. wk. Robey St., from 47th to 63rd Sts.....	15,570.33	8.75	15,579.08
6114 Purchase of elect. testing instruments for #1020 Borland Bldg.....	369.69	81.33	451.02
6116 Purchase of two differential dump car bodies and two pair trucks, etc., at South Shops.....	11,104.08	636.36	11,740.44
6117 New and adnl. car destination and tour signs at South Shops.....	2,647.80	2,107.86	4,815.66
6119 Str. trk. wk., Wabash Ave., N. and S. of 12th St.....	25,347.24	• 1,657.52	23,689.72
6120 Str. and spl. trk. wk., Clark St., N. and S. of Approaches to 12th St. viaduct.....	336.35	32.51	368.86

\*Credit.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1906 to	Feb. 1, 1919 to	Total
	Jan. 31, 1919 \$	Jan. 31, 1920 \$	
6121 Str. trk. wk., State St. N. & S. of 12th St.	219.73	61.82	281.55
6122 Spl. trk. wk., 12th and Clark Sts., acct. 12th St. widening	361.61	4.47	366.08
6126 New and addnl. toilet fix. for trainmen at Archer and Rockwell St. carhouse	1,336.97	60.93	1,276.04
6136 Str. and spl. trk. wk. and pvg. in vicinity of Commonwealth Edison Co.'s 39th St. and Lowe Ave. Sub. Sta.	32,553.42	20.50	32,573.92
6138 Elect. wk. in vicinity of Commonwealth Edison Co.'s 39th St. and Lowe Ave. Sub. Sta.	12,870.16	35.04	12,835.12
6151 Equipt. of five double truck sprinklers with wings, etc., at South Shops	10,689.00	667.03	11,356.03
6153 New and addnl. racks for storm sash storage at various locations	2,373.69	2,219.04	4,592.73
6154 New and addnl. rest room on 2nd floor at Machine Shop 78th St. and Vincennes Ave.	1,826.47	137.06	1,963.53
6156 Install. of new and addnl. combination tower, hose bridge and wreck wagon auto. truck, 62nd St. and Wabash Ave.	5,212.61	18.00	5,230.61
6161 Install. of new and addnl. storage house at 78th St. near Wentworth Ave.	1,013.82	75.99	1,089.81
6163 Purchase of 20 GE-242 Armatures including pinion end frame heads, etc. at the West and South Shops	.....	2,440.61	2,440.61
6166 Purchase of two new and addnl. 2-ton Garford auto. trucks at Wabash Ave. and 62nd St.	9,204.71	611.50	9,816.21
6167 Install. of new and addnl. starter's booth equipped with elec. light and heat at 63rd St. and Central Park Ave.	.....	938.77	938.77
6168 Elect. wk., State St., Lake St. to Archer Ave.	.....	6,256.13	6,256.13
6169 Purchase of one Ford Runabout auto. at #2013 S. Dearborn St.	.....	898.33	898.33
6170 Install. of two new and addnl. combination tower and wreck wagon auto. trucks at 38th & Rockwell and 38th & Langley Ave.	.....	12,006.70	12,006.70
6171 Purchase of 6,000 new and addnl. 2-tube penny change carriers at various locations	.....	5,079.10	5,079.10
6172 Install. of 24 new and addnl. elect. heaters at various locations	.....	868.66	868.66
6173 Purchase and install. of 3,200 notice boxes in passenger cars at various locations	.....	337.37	337.37
6174 Elect. wk., State St. N. of Roosevelt Road to S. of Roosevelt Road	.....	1,846.86	1,846.86
6175 New and addnl. partitions, Bay #6, West Carhouse, 77th St. and Vincennes Ave.	.....	1,437.79	1,437.79
6176 Elect. wk., 63rd St., Oakley Ave. to Robey St., 59th to 63rd Sts.	.....	610.01	610.01
7011 Str. and spl. trk. wk. and pvg. at various locations	136,202.73	15,961.73	152,164.46
7013 Elect. wk. at various locations	17,840.97	1,232.34	19,073.31

# FINANCIAL EXHIBITS

7037	Elect. wk. in vicinity of 62nd St. and Cottage Grove Ave., Commonwealth Edison Co.'s Sub. Sta.	9,630.60	5.25	9,635.85
7039	Elect. wk., 63rd St. from Kedzie Ave. to Rockwell St.	2,432.75	6.30	2,439.05
7040	Elect. wk., 35th St. from Wentworth to Michigan Aves.	5,667.01	6.25	5,673.26
7042	Cost of overhauling and painting work cars, wagons, etc., at South and West Shops	21,326.31	6,628.78	27,955.09
7047	Elect. wk. at various locations	221.98	1.75	223.73
7061	Temporary trk. and tools	5,760.87	167.96	5,928.83
7064	Elect. wk., 67th St., Stony Island Ave. to Yates Ave.	4,970.47	12.25	4,982.72
7066	Elect. wk. in vicinity of 82nd & Halsted St. Sub. Sta. #5.	3,156.34	7.00	3,163.34
7074	Elect. wk. in vicinity of Archer & Kedzie Aves. Sub. Sta.	4,002.14	12.27	4,014.41
7097	Elect. wk., 31st St., Pitney Court to C. R. I. & P. R. R.	5,957.61	8.75	5,966.36
7104	Elect. wk., Kedzie Ave. from 63rd to 67th Sts.	3,585.84	10.50	3,596.34
7116	Purchase and install. of office furniture and equipt. at various locations.	1,232.75	23.43	1,256.18
7117	Purchase and install. of adnl. heaters, thermostats, etc., on various cars at the South Shops	102,054.77	120.38	101,874.39
7139	Elect. wk., 47th St. from Western to Kedzie Aves.	3,239.25	12.71	3,251.96
7145	Elect. wk., Lake Park Ave. from 47th to 55th Sts.	17,338.30	8.75	17,347.05
7154	Elect. wk. at various locations.	19,151.21	10.50	19,161.71
7156	Elect. wk., 63rd St. from Cicero to Central Aves.	7,500.06	5.25	7,505.31
7167	Elect. wk., Cicero Ave. from 63rd St. to 200 ft. N. of 63rd St.	922.57	9.62	932.19
7174	Elect. wk., Archer Ave., Kedzie Ave. to Halsted St.	4,098.71	1,530.22	5,628.93
7176	Elect. wk., Kedzie Ave. and Chicago River S. of 31st St.	669.63	6.17	675.80
7187	Str. trk. wk. and pvg., 63rd St., Racine Ave. to 150 ft. W. of Stewart Ave.	97,306.18	97,306.18	97,306.18
7189	Str. and spl. trk. wk. and pvg., Ashland Ave. N. of 71st St. to 79th St.	38,965.05	5.72	38,970.77
7191	Install. of power plant equipt. at various locations.	466.76	147.59	608.35
7192	Ext. and changes to printing dept. at 77th St. Plant.	1,932.20	4,633.38	6,565.58
7193	Adnl. equipt. and ext. to printing dept. at 77th St. Plant.	34,854.06	2,130.45	32,723.61
7199	Elect. wk., 63rd St., Racine Ave. to 150 ft. W. of Stewart Ave.	433.68	7,022.28	7,445.96
7204	Spl. trk. wk., Halsted and Root Sts.	3,016.59	135.34	3,151.93
7208	Spl. trk. wk., 42nd St. and Wabash Ave.	724.81	28.05	753.40
7210	Elect. wk., State St. S. of 18th St., Halsted St. at Root St. and Wabash Ave. at Van Buren St.	1,231.47	3,823.27	5,074.74
7214	Elect. wk., various locations	101.73	139.40	301.13
7215	Elect. wk., Archer Ave. and Rockwell St. car sta.	1,770.83	8.23	1,779.06
7218	Elect. wk., Halsted St., Root St. to 49th St., Halsted St. and 40th St. (C. J. Subway)	417.48	20.44	437.92
7220	Spl. trk. wk., Clark and Van Buren Sts.	4,556.49	441.74	4,114.75

\*Credit.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1906 to	Feb. 1, 1919 to	Total
	Jan. 31, 1919	Jan. 31, 1920	
7224	\$ 5,757.21	\$ 363.46	6,120.67
7225	112.10	1,698.29	1,810.39
7226	87,635.27	177.17	87,458.10
7227	1,342.09	1.15	1,343.24
7229	11,841.79	19.10	11,860.95
7230	1,610.00	22.61	1,632.61
7231	2,384.46	56,859.92	56,859.92
7234	2,383.53	21.12	2,303.34
7235	11.22	39.44	2,422.97
7236	979.90	10,830.44	10,841.66
7239	11,161.41	66.44	11,046.32
7240	4,504.32	793.32	11,851.85
7241	2,635.00	10.20	3,711.00
7242	1,802.61	8.18	2,645.20
7245	1,747.31	7,896.20	1,810.79
7246	1,248.91	5.33	9,643.51
7247	1,229.54	5,982.02	1,254.24
7248	.....	10,082.85	484.73
7249	.....	986.41	7,212.46
7251	.....	2,723.97	10,082.85
7252	.....	76.18	986.41
7253	.....	1,111.78	2,723.97
7254	.....	20.84	1,111.78
7255	.....	29.84	20.84
7257	.....	8,779.61	8,779.61
7259	.....	15.57	15,527.75
7260	.....	2,336.95	4,537.70
7264	.....	625.80	2,962.75
7265	.....	360.74	1,547.97
7267	.....	.....	79.26
7269	.....	.....	3,416.20
7271	.....	981.71	20.48
	.....	539.00	539.00

# FINANCIAL EXHIBITS

7272	Renw. of 95 pairs McGuire M. C. B. truck frames on various cars at the South Shops	.....	139,384.08	139,384.08
7273	Spl. trk. wk. at various locations	4,350.93	11.85	4,362.78
7276	Elect. wk., Archer Ave., Halsted to State Sts.	806.07	23.78	830.75
7277	Str. and spl. trk. wk. and pvg. in Racine Ave., 74th St. to N. of 75th St.	.....	11,721.96	11,721.96
7279	Spl. trk. wk., Clark St. S. of Van Buren St.	.....	978.79	978.79
7280	Spl. trk. wk., 60th St. and Ashland Ave.	2,893.58	4,855.88	7,749.46
7282	Install. of transferred W. P. and L. C. cable to reinforce feed, various substations	904.68	20.84	925.52
7283	Str. and spl. trk. wk. and pvg., 39th St., Ashland Ave. to Western Ave., 35th St. and Ashland Ave.	141,786.47	14,330.64	156,117.11
7284	Install. of elect. equipt., 39th St., Western to Ashland Aves. and 35th St. and Ashland Ave.	6,188.33	4,422.15	10,610.48
7285	Repla. of thermostat equipt. on 139 cars at the South Shops.	.....	3,267.76	3,267.76
7286	Install. of one addnl. controller for the operation of broom motor on 32 sweepers at South Shops	2,341.79	33.72	2,308.07
7287	Spl. trk. wk., State St. and private right-of-way N. of 63rd St.	914.64	304.21	550.43
7288	Spl. trk. wk., State St., 39th to 40th Sts.	.....	4,094.21	4,094.21
7290	Spl. trk. wk., 59th and Halsted Sts.	.....	1,630.84	1,630.84
7292	Spl. trk. wk., 47th & Leavitt Sts., P. C. C. & St. L., B. & O. C. T. and C. J. R. R.	.....	2,488.83	2,488.83
7293	Spl. trk. wk., Cottage Grove Ave. at 35th St.	2,863.51	531.78	3,395.29
7294	Complete renw. of corrugated steel siding on W. wall of carhouse, 88th St. and Vincennes Ave.	.....	497.20	497.20
7295	Spl. trk. wk., State and 21st Sts.	.....	3,298.55	3,298.55
7297	Spl. trk. wk., State and 31st Sts.	.....	1,038.50	1,038.50
7298	Spl. trk. wk., 35th and Wallace Sts.	.....	1,039.20	1,039.20
7299	Spl. trk. wk., Cottage Grove Ave. and 38th St.	.....	1,581.47	1,581.47
7300	Spl. trk. wk., 38th Pl. and Halsted St.	.....	6,079.10	6,079.10
7301	Spl. trk. wk., Garland Ct. and Randolph St.	.....	1,032.64	1,032.64
7302	Spl. trk. wk., Harrison St. and Wabash Ave.	.....	1,645.75	1,645.75
7305	Spl. trk. wk., Wabash Ave. and Washington St.	.....	4,246.03	4,246.03
7306	Spl. trk. wk., 35th St. and California Ave.	.....	953.86	953.86
7307	Str. trk. wk. and pvg., State St. N. of 53rd St.	.....	3,118.26	3,118.26
7308	Spl. trk. wk., 22nd and State Sts.	.....	477.31	477.31
7309	Spl. trk. wk. and pvg., 77th St. and Vincennes Ave.	.....	820.86	820.86
7310	Spl. trk. wk., 36th St. and California Ave.	.....	3,596.05	3,596.05
		.....	1,019.09	1,019.09

\*Credit.



# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1906 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
7311	Str. and spl. trk. wk. and pvg., 63rd St., State St. to 180 ft. E. of Wentworth Ave.	\$ 16,386.20	\$ 16,386.20
7312	Spl. trk. wk., Wentworth Ave. at Private Right-of-Way S. of 63rd St.	2,337.19	2,337.19
7313	Elect. wk., 63rd St., Wentworth Ave. to State St.	2,457.66	2,457.66
7314	Spl. trk. wk., 63rd and State Sts.	4,530.92	4,530.92
7315	Spl. trk. wk. and pvg. at 30th and Halsted Sts.	10,012.39	10,012.39
7316	Spl. trk. wk., 18th St. and Wabash Ave.	5,709.39	5,709.39
7317	Spl. trk. wk., 39th St. and Wentworth Ave.	7,364.50	7,364.50
7318	Elect. wk., 22nd St., Chicago River to Cottage Grove Ave. and on 2nd St. W. of Clark St.	1,419.25	1,419.25
7319	Spl. trk. wk., 51st and Indiana Ave.	2,413.34	2,413.34
7321	Spl. trk. wk., Racine and Englewood Aves. connecting R. R. N. of 59th St.	512.19	512.19
7322	Const. of new coil room, install. addnl. equipt. in Motor Repair Dept. at the South Shops.	2,399.49	2,399.49
7326	Spl. trk. wk., 26th St. and Wentworth Ave.	874.35	874.35
7327	Elect. wk., Monterey Ave. and 111th St., Sacramento to Vincennes Aves.	1,088.48	1,088.48
7328	Elect. wk., Vincennes Ave., 85th St. to Monterey Ave.	1,802.76	1,802.76
7329	Renw. of spans, Throop and Morgan Sts., Archer Ave. to 39th St.	3,417.70	3,417.70
7332	Spl. trk. wk., Clark St. N. of 16th St.	6,628.08	6,628.08
7333	Reconst. of trk. and pvg. Clark St. bridge and approaches at Chicago River (S. half only)	485.15	485.15
7334	Elect. wk., Halsted St., O'Neil St. to center of River at 25th St.	14.43	14.43
7335	Elect. wk., Halsted St. from center of River at 25th St. to 85th St.	7,648.16	7,648.16
7336	Elect. wk., 38th St. and Cottage Grove Ave. car sta.	1,536.18	1,536.18
7337	Elect. wk., Kedzie Ave., 31st to 38th Sts.	149.54	149.54
7338	Elect. wk., Archer Ave., Central Park Ave. to Kedzie Ave.	5,456.34	5,456.34
7340	Spl. trk. wk., Lake and State Sts.	2,927.14	2,927.14
7342	Elect. wk., 47th St. from Racine Ave. to Indiana Ave.	1,649.37	1,649.37
7343	Complete renw. of roofing at Machine Shop, 78th St. and Vincennes Ave.	1,016.16	1,016.16
7344	Spl. trk. wk., 63rd St. from Kedzie to Western Aves.	7,873.08	7,873.08
7345	Elect. wk., 63rd St. from Kedzie to Western Aves. State St. to Calumet Ave., and from Calumet Ave. to Stony Island Ave.	5,284.99	5,284.99
7346	Elect. wk., Ashland Ave., 71st to 75th Sts.	425.93	425.93
7347	Elect. wk. at Alley E. of State St., 31st & Pitney Ct. from Archer Ave. to Lake Park Ave.	1,296.66	1,296.66

# FINANCIAL EXHIBITS

7348	Renw. of one roof acetylene generator with 200# generator at South Shop—Machine Shop.....	351.62 1,407.45	351.62 1,407.45
7349	Spl. trk. wk. 61st and State St.....	711.22	711.22
7351	Elect. wk., 59th St., Leavitt St. to Ashland Ave. and at Wallace St. and Stewart Ave.....	39.51 250.89 348.07	39.51 250.89 348.07
7352	Elect. wk., Dearborn St., Monroe to Adams Sts.....	4,993.28	4,993.28
7353	Renw. of platform floors, etc., on various cars at South Shops.....	4,662.44	4,662.44
7354	Elect. wk., 77th St. Shops Yd. S. of 78th St.....	936.33	936.33
7355	Str. and spl. trk. wk. and pvg. on Vincennes Ave., 77th St. to X-over N. of 77th St.....	1,558.79	1,558.79
7356	Str. and spl. trk. wk. and pvg. on 51st St., Wentworth Ave. to X-over W. of Wentworth Ave.....	924.04	924.04
7357	Spl. trk. wk., 64th St. and Harper Ave.....	9,491.34	9,491.34
7358	Spl. trk. wk. and pvg., Keefe and Rhodes Ave.....	3,518.83	3,518.83
7360	Elect. wk., Wabash Ave., Lake St. to Van Buren St.....	1,160.37	1,160.37
7361	Renw. of Bldgs. for sand dryer plant, 78th St. E. of Vincennes Ave.....	1,735.10	1,735.10
7362	Str. and spl. trk. wk., Private Right-of-way (Wentworth Ave.) N. of 83rd St. to S. of 84th St.....	1,553.32	1,553.32
7364	Spl. trk. wk., 61st St. and Cottage Grove Ave.....	2,360.72	2,360.72
7365	Elect. wk., 83rd to 85th Sts., 79th to 84th Sts. and in Private R-W (Wentworth Ave.) 79th to 85th Sts.....	1,274.03	1,274.03
7367	Spl. trk. wk., 59th St. and Wentworth Ave.....	808.41	808.41
7368	Spl. trk. wk., 68th St. and Racine Ave.....	4,828.12	4,828.12
7372	Str. trk. wk. and pvg., State St. N. of 63rd St.....	2,916.21	2,916.21
7374	Spl. trk. wk. and pvg., Clark St. bet. Madison St. and Washington St.....	2,200.13	2,200.13
7375	Spl. trk. wk., Archer Ave. and Western Ave.....	439.40	439.40
7378	Spl. trk. wk., Ashland Ave. N. of 55th St.....	\$ 686,353.61	\$ 686,353.61
7379	Spl. trk. wk., 47th St. W. of Halsted St.....	\$28,159,667.75	\$28,159,667.75
7383	Spl. trk. wk., Cottage Grove Ave. S. of 31st St.....	3,915,181.61	3,915,181.61
Total Expenditures.....		\$32,864,156.02	\$32,864,156.02
Allowance 15% for conducting work, furnishing equipment and procuring funds.....		789,306.66	789,306.66
Adjustment of Fluctuating Accounts:		\$ 82,373.80	\$ 82,373.80
Material and Supplies.....		*	*
Horses.....		1,907.00	1,907.00
Five per cent brokerage.....		37,365.64	37,365.64
*Credit.		\$ 700,865.06	\$ 700,865.06
		\$33,442,498.82	\$33,442,498.82

**THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION**

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**EXHIBIT K.**

**CERTIFICATES ISSUED BY BOARD OF SUPERVISING  
ENGINEERS COVERING CONSTRUCTION AND  
REHABILITATION EXPENDITURES MADE BY  
THE SOUTHERN STREET RAILWAY  
COMPANY.**

FEBRUARY 1, 1919 TO JANUARY 31, 1920.

Certificate No.	Date	Amount
166	March 1, 1919.....	\$ 1.15
168	April 1, 1919.....	115.00
169	April 15, 1919.....	245.48
170	May 1, 1919.....	115.00
171	May 19, 1919.....	2,388.87
172	June 1, 1919.....	1.15
173	June 13, 1919.....	1,289.22
174	July 1, 1919.....	1.15
175	July 15, 1919.....	1,477.61
176	August 1, 1919.....	115.00
177	August 26, 1919.....	1,664.34
178	September 1, 1919.....	115.00
179	September 18, 1919.....	963.78
180	October 1, 1919.....	115.00
181	October 16, 1919.....	309.18
182	November 1, 1919.....	11.50
183	November 15, 1919.....	1,425.46
184	December 1, 1919.....	1.15
185	December 13, 1919.....	301.91
186	January 1, 1920.....	11.50
187	January 15, 1920.....	48.17
188	February 1, 1920.....	1.15
189	February 25, 1920.....	323.05
191	March 10, 1920.....	589.62
		<hr/>
Reported previous to February, 1919.....		\$ 11,630.44
		918,619.91
		<hr/>
		\$ 930,250.35

FINANCIAL EXHIBITS

EXHIBIT K—SCHEDULE No. 1.  
 THE SOUTHERN STREET RAILWAY COMPANY.  
 ADDITIONS TO CAPITAL ACCOUNT—COSTS AND LOCATIONS.

AUGUST 1, 1908 TO JANUARY 31, 1920.

Many of the following are Split Accounts, i. e., carrying charges to both Capital and Renewals, but only charges to Capital are shown herein.

	Aug. 1, 1908 to	Jan. 31, 1919	Feb. 1, 1919 to	Jan. 31, 1920	Total
Accounts previously reported.....					
901-506-F Recording Deed, Lawndale Ave. and 22nd St.....	\$ 795,895.93				\$ 795,895.93
16008 Engineering and potential surveys.....			.85		.85
16011 Str. trk. wk. 22nd St. and Rockwell St. % const. of new sewer by City of Chicago.....	1,701.29		1,390.06		3,091.35
17014 Elect. wk. 22nd St., River to Crawford Ave.....	1,209.87		919.71		2,129.58
17015 Spl. trk. wk. at various locations.....		226.78	3,808.06		3,808.06
17016 Elect. wk. Throop St. and C. & A. Sub. N. of Archer Ave.....			3.56		230.34
17019 Spl. trk. wk. 22nd St. at Trumbull Ave.....			1,183.40		1,183.40
17020 Elect. wk. 22nd St. at Trumbull Ave.....			2,135.89		2,135.89
17021 Elect. wk. Kedzie Ave. from 22nd to 31st Sts.....			40.34		40.34
			631.55		631.55
<b>Total Expenditures.....</b>	<b>\$ 799,033.87</b>		<b>10,113.42</b>		<b>\$ 809,147.29</b>
<b>Allowance (15%) for conducting work, furnishing equipment and procuring funds.....</b>		<b>119,586.04</b>		<b>1,517.02</b>	<b>121,103.06</b>
	<b>\$ 918,619.91</b>		<b>11,630.44</b>		<b>\$ 930,250.35</b>

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT L.

CHICAGO RAILWAYS COMPANY.

BALANCE SHEET.

JANUARY 31, 1920.

ASSETS.

VALUE OF PROPERTIES:

Value as stated by Traction Valuation Commission June 30, 1906.....	\$29,000,000.00
Certificates issued by Board of Supervising Engineers..	62,041,852.13
Total value of properties—Schedule No. 1.....	\$91,041,852.13
Current Assets.....	8,374,331.89
Total.....	\$99,416,184.02

LIABILITIES.

CAPITAL:

Representing purchase price of the properties in accordance with the terms of the City Ordinance.....	\$91,041,852.13
Reserve for Damages.....	83,342.96
Renewal and Depreciation Reserve Fund.....	6,464,141.93

CITY OF CHICAGO:

Proportion of profits.....	1,005,259.17
Less taxes and licenses paid in advance.....	896.95
	<u>1,004,362.22</u>

CHICAGO RAILWAYS COMPANY:

Proportion of profits.....	822,484.78
Total.....	\$99,416,184.02

FINANCIAL EXHIBITS

EXHIBIT L—SCHEDULE No. 1.

CHICAGO RAILWAYS COMPANY.

VALUE OF PROPERTIES.

JANUARY 31, 1920.

	As Valued By T. V. C.	Additions		Total
		July, 1, 1906 to Jan. 31, 1919	Additions Feb. 1, 1919 to Jan. 31, 1920	
Organization.....	\$ 1,895,751.00	\$ 187,357.69	.....	\$ 2,083,108.69
Engineering and Superintendence.....	.....	2,532,250.95	\$ 51,023.27	2,583,274.22
Right of Way.....	.....	1,538.48	.....	1,538.48
Track (exclusive of paving).....	6,777,651.00	21,849,261.26	249,287.29	28,876,199.55
Paving.....	634,697.00	5,150,389.62	17,245.17	5,802,331.79
Electric line construction.....	1,407,043.00	6,327,354.77	106,354.12	7,840,751.89
Real Estate.....	2,331,672.00	800,697.54	8,451.46	3,140,821.00
Buildings and fixtures..	2,227,853.00	4,994,819.68	11,977.87	7,234,650.55
Investment, real estate.	1,036,193.00	*1,036,193.00	.....	.....
Power plant equipment.	1,319,659.00	1,869,252.94	2,113.85	3,191,025.79
Shop tools and machinery.....	368,420.06	363,864.22	34,992.46	767,276.74
Cars—revenue.....	2,223,536.00	7,941,807.39	31,465.51	10,196,808.90
Electric equipment of cars.....	1,073,818.00	4,353,154.27	9,005.24	5,435,977.51
Miscellaneous equipment.....	109,045.00	287,714.29	28,445.42	425,204.71
Interest and discount.....	.....	1,018,337.46	19,466.71	1,037,804.17
Miscellaneous.....	6,411,374.00	241,328.30	10,814.36	6,663,516.66
Tunnels.....	941,290.00	3,210,172.60	80.00	4,151,542.60
Material and supplies...	221,857.94	1,497,194.15	*123,560.71	1,595,491.38
Horses.....	20,140.00	*2,662.00	*2,950.50	14,527.50
	\$29,000,000.00	\$61,587,640.61	\$ 454,211.52	\$91,041,852.13

\*Credits

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

**EXHIBIT M.**

**CHICAGO RAILWAYS COMPANY.**

**JOINT INCOME ACCOUNT.**

**FOR THE YEAR ENDED JANUARY 31, 1920.**

**RECEIPTS:**

60% of Chicago Surface Lines residue receipts.....	\$6,425,654.08
Earnings prior to February 1, 1914, collected and credited this year..*	<u>63.11</u>
<b>Total Receipts.....</b>	<b>\$6,425,590.97</b>

**EXPENSES:**

Reserved for damages.....	\$ 23,688.65
Reserved for taxes.....*	7,715.51
Miscellaneous general.....	40,339.52
Renewals—8% of joint earnings.....*	<u>5.05</u>
<b>Total Expenses.....</b>	<b>\$ 56,307.61</b>

Net Receipts.....	\$6,369,283.36
From which deduct Interest on Capital Invested at 5%.....	<u>4,541,539.41</u>
<b>Remaining Net Receipts.....</b>	<b>\$1,827,743.95</b>

**Divisible thus:**

City of Chicago—55%.....	\$1,005,250.17
Company —45%.....	<u>822,484.78</u>
	<b>\$1,827,743.95</b>

\*Credits.

## FINANCIAL EXHIBITS

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### EXHIBIT N.

#### CHICAGO RAILWAYS COMPANY.

##### CONDITION OF RESERVE FOR DAMAGE CLAIMS At JANUARY 31, 1920.

For accidents occurring between February 1, 1907, and January 31, 1914:

On hand February 1, 1919.....	\$ 110,531.88
Reserved during year.....	23,688.65
Interest allowed on Reserve Fund during year.....	1,816.13
	<hr/>
Total.....	\$ 136,036.66
Expended during year.....	52,693.70
	<hr/>
On hand February 1, 1920.....	\$ 83,342.96



THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT O.

CHICAGO RAILWAYS COMPANY.

RENEWAL AND DEPRECIATION RESERVE FUND.

JANUARY 31, 1920.

Balance in fund February 1, 1919.....		\$5,760,975.00
Reserve during year:		
60% of 8% of gross receipts of Chicago Surface Lines based on decision of State Public Utilities Com- mission commencing August, 1919.....	\$1,805,517.56	
8% of receipts of Chicago Railways Co.—Joint Account.....	*5.05	1,805,512.51
Salvage from Special Accounts.....	65,298.06	
Sale of unnecessary property.....	8,511.58	
Interest added to fund.....	186,032.13	259,841.77
		<u>\$7,826,329.28</u>
Expended for renewals—Schedule No. 1.....		<u>1,362,187.35</u>
Balance in fund February 1, 1920.....		\$6,464,141.93

\*Credit.

## FINANCIAL EXHIBITS

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### EXHIBIT O—SCHEDULE No. 1.

#### CHICAGO RAILWAYS COMPANY.

##### CERTIFICATES FOR RENEWALS. FOR PERIOD FEBRUARY 1, 1919 TO JANUARY 31, 1920.

Certificate No.	For Period	Amount
102	February 1, 1919 to February 28, 1919.....	\$ 62,912.36
103	March 1, 1919 to March 31, 1919.....	85,621.12
104	April 1, 1919 to April 30, 1919.....	97,463.81
105	May 1, 1919 to May 31, 1919.....	102,297.96
106	June 1, 1919 to June 30, 1919.....	115,504.07
107	July 1, 1919 to July 31, 1919.....	74,745.12
108	August 1, 1919 to August 31, 1919.....	123,798.40
109	September 1, 1919 to September 30, 1919.....	165,775.61
110	October 1, 1919 to October 31, 1919.....	138,034.81
111	November 1, 1919 to November 30, 1919.....	128,131.30
112	December 1, 1919 to December 31, 1919.....	120,277.32
113	January 1, 1920 to January 31, 1920.....	147,625.47
		\$ 1,362,187.35
	Reported previous to February 1, 1919.....	8,780,605.52
		\$10,142,792.87

EXHIBIT—SCHEDULE No. 2.  
CHICAGO RAILWAYS COMPANY.  
EXPENDITURES FOR RENEWALS—COSTS AND LOCATIONS.

FEBRUARY 1, 1911, TO JANUARY 31, 1920.

Many of the following are Split Accounts, i. e., carrying charges to both Capital and Renewals, but only charges to Renewal Accounts are shown herein.

	Feb. 1, 1911 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
Closed accounts previously reported.....	\$ 5,980,583.65		\$ 5,980,583.65
3906 Cost of overhauling and painting wk. cars, wagons, etc., used jointly on const. and maintenance wk.....	5,179.16	6,763.88	11,943.04
3227 Str. & spl. trk. wk. & pvg., Kedzie Ave. from Lawrence to Foster Aves.....	338.98	118.90	457.88
3272 Purchase and install. of office furniture and equipit.....	3,085.27	531.07	3,616.34
3309 Repla. of air tanks and mud guards on 600 Pullman cars at West Shops.....	5,392.68	3,301.32	8,694.00
3340 Str. & spl. trk. wk. & pvg. on Lawrence Ave. bridge and approaches.....	5,014.59	1,972.02	6,987.51
3351 Elect. wk. on 18th St. bridge and viaducts.....	1,130.99	23.81	1,154.80
3355 Elect. wk., Elston Ave. Carhouse—Front, rear and N. Yd.....	903.50	206.77	1,110.27
3359 Reconstr. of trks., 12th St., Wabash Ave. to W. end of bridge.....	1,223.74	3,431.69	4,655.43
3372 Str. trk. wk. and pvg., Sedgwick St., North Ave. to S. of Center St..	1,617.86	18.40	1,636.26
3378 Spl. trk. wk. and pvg., Canal and Taylor Sts.....	1,514.90	293.39	1,808.29
3381 Elect. wk., Canalport Ave., 18th St. to Halsted St.....	15.58	7.06	22.64
3382 Repla. of lower steel sash with brass sash on 550 Pullman cars at West Shops.....	2,971.73	16,155.33	19,127.06
3384 Elect. wk., 12th St. and Canal St.....	1.61	32.15	33.76
3404 Spl. trk. wk., 12th St. and Robey St.....	3,998.79	1,170.21	5,169.00
3406 Purchase and install. of buzzer resistances at the West Shops.....	662.82	1,275.43	1,938.25
3408 Elect. wk. at various locations.....	3,954.74	2,406.75	5,461.49
3411 Elect. wk., Cicero Ave., Madison St. to Irving Pk. Blvd.....	5,341.87	4.64	5,346.51
3425 Elect. wk. at various locations.....	254.05	132.41	386.46
3432 Renw. of Spans, Grand Ave., North Ave. to Armitage Ave.....	46.59	241.84	288.43
3433 Renw. of Spans, Clark St., Halsted St. to Devon Ave.....	1,989.03	1,776.86	3,765.89
3434 Renw. of Spans, Broadway, Clark St. to Halsted St.....	29.49	525.63	555.12
3436 Renw. of Spans, Clybourn Ave., Division St. to Belmont Ave.....	11.32	1,482.06	1,493.38

# FINANCIAL EXHIBITS

3441	Str. and spl. trk. wk., N. end of truck shop, E. of Crawford Ave. bet. Washington Blvd. and West End Ave.	15.00	43.80	58.80
3444	Spl. trk. wk., Center and Clark Sts.	729.15	217.85	947.00
3445	Spl. trk. wk., Clark and Van Buren Sts.	1,859.00	471.00	2,330.00
3453	Install. elect. equip., Monroe St., Clinton St. to La Salle St.	149.06	29.63	178.69
3455	Str. and spl. trk. wk., Washington St. tunnel.	7,828.23	112.09	7,940.32
3460	Const. of one car body to replace car #1360 at West Shop.	.39	126.87	126.48
3463	Elect. wk., Sedgwick St., Division St. to Center St.	61.49	951.61	1,013.10
3465	Spl. trk. wk., Randolph and Wells Sts.	3,387.00	2,449.00	5,836.00
3466	Spl. trk. wk., Van Buren St. and Wells St.	4,545.00	2,532.00	7,077.00
3467	Spl. trk. wk., Dearborn and Lake Sts.	433.50	741.16	1,174.66
3468	Spl. trk. wk., Adams St. and Halsted St.	.....	4,212.00	4,212.00
3469	Spl. trk. wk., 18th St. and Ashland Ave.	.....	1,000.06	5,821.00
3471	Spl. trk. wk., Armitage and California Aves.	4,730.04	192.00	4,462.00
3472	Spl. trk. wk., Clark St. and Irving Pk. Blvd.	4,270.00	778.00	2,852.00
3473	Spl. trk. wk., Clark St. and Montrose Ave.	1,575.00	223.00	1,798.00
3474	Spl. trk. wk., Clark St. and Lawrence Ave.	1,575.00	223.00	1,798.00
3476	Spl. trk. wk., Dearborn and Randolph Sts.	268.26	5,417.74	5,686.00
3477	Spl. trk. wk., Division and Robey Sts.	4,370.00	571.00	4,941.00
3478	Spl. trk. wk., Grand Ave. and State St.	.....	2,468.00	2,468.00
3479	Spl. trk. wk., Grand Ave. and Western Ave.	3,926.00	278.00	4,204.00
3480	Spl. trk. wk., Harrison St. and Paulina St.	.....	1,575.00	1,575.00
3482	Spl. trk. wk., Harrison St. and Ogden Ave.	.....	958.00	5,310.00
3484	Repla. of present pitch gears and pinions, etc., at the West Shop.	4,352.00	16,043.83	21,428.31
3499	Elect. wk. at various locations.	1,940.40	4,077.55	6,017.95
3501	Spl. trk. wk., Ashland Ave. and Lake St.	1,038.14	3,200.86	4,239.00
3505	Elect. wk., Cicero Ave. and North Ave. Car Sta.	136.37	126.22	262.59
3507	Rem. and repla. of elect. equip. at various locations.	.....	535.78	535.78
3510	Spl. trk. wk., Van Buren St. W. of State St.	4.02	635.43	639.45
3512	Renw. of castings, shafts, etc., at the West Shops.	3.17	768.33	771.50
3513	Spl. trk. wk., Franklin and Washington Sts.	95.26	26,206.28	26,301.54
3515	Elect. wk., Lawrence Ave. Bridge.	785.11	11,084.89	11,870.00
3516	Spl. trk. wk., 12th St. and Ogden Ave.	.....	303.50	303.50
3517	Str. and spl. trk. wk. and pvg., Franklin St., Lake St. to Orleans St.	6,920.00	1,265.00	8,185.00
3518	Str. and spl. trk. wk. and pvg., Orleans St., Austin Ave. to Kinzie St.	115.08	291.49	406.57
3523	Str. trk. wk. and pvg., Grand Ave. bridge and viaduct.	523.56	1,518.33	2,041.89
		2,838.04	3,623.33	6,461.37

\*Credit.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	Feb. 1, 1919 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
3529 Elect. wk. in conn. with widening Michigan Ave. at Grand Ave. and at Chicago Ave.	\$ 1.27	\$ 60.39	\$ 61.66
3530 Renw. of 2745 GE-216 Armature Shafts at the West Shops.	18,625.82	16,691.78	35,317.60
3531 Renw. of 1656 WH-319 Armature Shafts at the West Shops.	15,434.08	19,334.16	34,768.24
3532 Str. trk. wk. and pvg., Grand Ave. sub. at Pine St.	16.76	9,373.94	9,390.70
3533 Str. trk. wk. and pvg., Austin Ave. and Halsted St.	245.59	51.60	297.19
3534 Spl. trk. wk., Larrabee St. and North Ave.	.....	1,575.00	1,575.00
3535 Spl. trk. wk., Clybourn Ave. and North Ave.	.....	1,926.00	1,926.00
3536 Rem. and repla. of elect. equipt., 12th St. W. S. of River to W. S. Wabash Ave.	.....	1,031.21	1,031.21
3537 Wabash Ave.	.....	544.08	547.00
3538 Renw. of spl. wk., Wabash Ave. and Washington St.	2.92	1,227.40	1,248.00
3539 Renw. of spl. wk., Chicago Ave. and Halsted St.	20.51	1,313.71	1,365.00
3541 Renw. of spl. wk., Broadway N. of Sheridan Rd.	51.29	617.77	656.00
3542 Renw. of spl. wk., Dearborn and Kinzie Sts.	38.23	1,320.86	1,683.58
3544 Reconst. of trk. and pvg., Van Buren St. Bridge.	362.72	978.14	1,683.58
3545 Spl. trk. wk., Clark St. and Dole Ave.	42.86	.....	1,021.00
3546 Renw. of steam R. R. Xings, Southport Ave., C. M. & St. P. R. R. (Kingsbury St.)	2,360.58	493.52	2,854.10
3547 Renw. of steam R. R. Xings, North Ave. at C. M. & St. P. R. R. (Kingsbury St.)	6.55	2,920.97	2,927.52
3548 Str. and spl. trk. wk. and pvg., Grand Ave., Austin to Harlem Ave.	1,155.12	2,722.05	3,877.17
3549 Str. trk. wk. and pvg., Clinton St., 12th St. to Harrison St.	.....	7,881.48	7,881.48
3550 Renw. of spl. wk., Ogden Ave. and Paulina St.	1,400.31	405.69	1,806.00
3551 Renw. of spl. wk., Ashland Ave. and Erie St.	11.22	2,177.78	2,189.00
3553 Spl. trk. wk., Harrison and Robey Sts.	.....	4,337.00	4,337.00
3554 Elect. wk. at various locations.	.....	292.02	292.02
3555 Spl. trk. wk. and pvg., Crawford Ave. and Madison St.	8.20	2,212.61	2,220.90
3556 Spl. trk. wk. and pvg., Cicero Ave. and Madison St.	8.31	2,318.72	2,327.03
3557 Complete renw. of Roofing, Gutters, etc., at Armitage and Campbell Ave. C. H.	.....	463.40	463.40
3558 Spl. trk. wk., Van Buren St. Tunnel.	.....	384.00	384.00
3559 Elect. wk. at various locations.	.....	124.08	124.08
3560 Str. trk. wk. and pvg., Belmont Ave., Robey St. to Sarak Ave.	.....	10,943.05	10,943.05
3561 Spl. trk. wk., Clark and Randolph Sts.	.....	3,520.00	3,520.00
3562 Spl. trk. wk., Dearborn St. and Van Buren St.	.....	1,762.47	1,762.47
3563 Elect. wk. at various locations.	.....	1,191.30	1,191.30
3564 Elect. wk., Crawford Ave., Madison St. to Grand Ave.	.....	705.72	705.72

## FINANCIAL EXHIBITS

3565	Str. and spl. trk. wk. and pvg., Elston Ave. Car Sta. at Addison St. ....	2,147.16	2,147.16
3566	Elect. wk. at various locations.....	1,941.06	1,941.06
3567	Renw. of Spans, Larrabee St., Lincoln Ave. to Chicago Ave. ....	758.86	758.86
3568	Elect. wk., 18th St., Leavitt St. to State St., Leavitt St., 18th St. to Blue Island Ave. ....	4,826.92	4,826.92
3569	Elect. wk. at various locations.....	5,428.82	5,428.82
3570	Renw. of Spans at Halsted St., O'Neil St. to Division St. ....	626.61	626.61
3571	Spl. trk. wk., State St. and Elm St. ....	1,250.00	1,250.00
3572	Elect. wk., Fullerton Ave., Halsted St. to Milwaukee Ave., Cicero Ave. to Crawford Ave. ....	4,664.45	4,664.45
3573	Str. and spl. trk. wk. and pvg., Clark St. Bridge and approaches at Chicago River (S. half only).....	430.27	430.27
3574	Str. and spl. trk. wk. and pvg., Clark St. Bridge and approaches at Chicago River (N. half only).....	961.57	961.57
3575	Spl. trk. wk. and pvg., State St. and Cedar St. ....	3,147.28	3,147.28
3576	Elect. wk., Halsted St. from O'Neil St. to Cen. of River at 25th St. ....	82.53	82.53
3577	Renw. of Spans, Morgan St. from Fulton St. to Monroe St. ....	245.25	245.25
3578	Renw. of Spans, Kingsbury St., Chicago Ave. to Erie St., Erie St., Kingsbury St. to Franklin St. ....	95.02	95.02
3579	Renw. of Spans, Webster Ave. from Lincoln to Racine Aves. ....	266.70	266.70
3580	Str. and spl. trk. wk. and pvg., Monroe St. at Sangamon St. ....	510.22	510.22
3581	Repla. of present Greenfield Conduit at West Shop. ....	9,471.00	9,471.00
3582	Spl. trk. wk., State and Washington Sts. ....	3,042.02	3,042.02
3583	Spl. trk. wk., Lake and State Sts. ....	2,544.00	2,544.00
3584	Spl. trk. wk., Franklin and Madison Sts. ....	2,284.31	2,284.31
3585	Spl. trk. wk., Halsted St. N. of Van Buren St. ....	2,320.55	2,320.55
3586	Spl. trk. wk., Jefferson and Washington Sts. ....	51.63	51.63
3587	Spl. trk. wk. at Madison St., Loop House. ....	1,250.19	1,250.19
3588	Spl. trk. wk., Ashland and North Aves. ....	401.67	401.67
3589	Spl. trk. wk. and pvg. at Chicago Ave. and C. M. & St. P. R. R. (Larrabee St.).....	515.63	515.63
3590	Spl. trk. wk., 12th and Wells Sts. ....	753.00	753.00
3591	Elect. wk., Division St. from Milwaukee Ave. to Clybourn Ave. ....	930.07	930.07
3592	Spl. trk. wk., Wells St. S. of Kinzie St. ....	1,751.00	1,751.00
3593	Renw. of W. end Boiler Room—West Shops. ....	14,420.42	14,420.42
3594	Renw. of Manhole Roofs on Milwaukee Ave., Desplaines St. to Ashland Ave. ....	2,317.50	2,317.50
3595	Elect. wk. at various locations.....	9,359.68	9,359.68
3596	Renw. of Manhole Roofs on Madison St., Clinton St. to Western Ave. ....	1,484.47	1,484.47

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	Feb. 1, 1911 to Jan. 31, 1911	\$	Feb. 1, 1919 to Jan. 31, 1920	\$	Total
3597	Rm. and repla. of elect. equipt. at various locations a/c Augusta St. Sewer System.....		20.74		20.74
3598	Elect. wk., Ashland Ave. Irving Pk. Blvd. to Belmont Ave.....		1,084.19		1,084.19
3599	Elect. wk., Kedzie Ave., Elston Ave. to Lawrence Ave.....		1,820.06		1,820.06
3601	Elec. wk., North Ave. from Clark St. to Cicero Ave.....		5,536.80		5,536.80
3602	Elect. wk., Washington St. from Desplaines St. to State St.....		1,143.95		1,143.95
3603	Elect. wk., Randolph St. from River to State St.....		774.85		774.85
3604	Renw. of Roofing at Mill, Fender Shop, Fan Room, etc., at West Shops, at Park Ave. near Harding Ave.....				
3605	Elect. wk., Dearborn St. from Monroe to Adams St.....		1,706.73		1,706.73
3606	Elect. wk., Dearborn St., Lake to Monroe Sts. and Adams to Van Buren Sts.....		82.45		82.45
3607	Elect. wk., Austin Ave. from Wells to Franklin Sts., on Franklin St. from Kinzie St. to Erie St.....		858.93		858.93
3608	Paving Work on Wells St. Viaduct from Polk to Taylor Sts.....		846.80		846.80
3609	Str. trk. wk. and pvg., Clark St. Viaduct S. of Kinzie St.....		2,841.17		2,841.17
3610	Spl. trk. wk. and pvg., Madison St. W. of Clinton St.....		595.39		595.39
3611	Complete renw. of roofing, metal work, etc., at 2317-39 Ogden Ave.....		523.80		523.80
3612	Spl. trk. wk., Division St. E. of Wells St.....		1,862.23		1,862.23
3613	Spl. trk. wk. and pvg., Kedzie Ave. and Northwestern Elevated R. R. N. of Leland Ave.....		1,543.00		1,543.00
3614	Str. trk. wk. and pvg., Taylor St. from W. end of Bridge to Wells St. Viaduct.....		1,257.19		1,257.19
3615	Spl. trk. wk. and pvg., Laramie Ave. S. of Lake St.....		957.48		957.48
3616	Str. and spl. trk. wk. and pvg., 18th St. Viaduct from Lumber St. to W. end of River Bridge.....		136.34		136.34
3617	Elect. wk., Franklin St., Harrison to Washington Sts. and Randolph St. to Lake St.....		1,694.50		1,694.50
3618	Spl. trk. wk. and pvg., Erie and Orleans Sts.....		1,494.63		1,494.63
3619	Spl. trk. wk. and pvg., Division St. carhouse.....		649.50		649.50
3620	Spl. trk. wk., Halsted and Randolph Sts.....		218.19		218.19
3621	Spl. trk. wk., Desplaines St. and Milwaukee Ave.....		6,087.00		6,087.00
3622	Spl. trk. wk., Van Buren St., E. of Western Ave.....		4,362.00		4,362.00
3623	Spl. trk. wk., Lake St. and Paulina St.....		1,543.00		1,543.00
3625	Spl. trk. wk., Clark and Illinois Sts.....		4,173.00		4,173.00
3626	Spl. trk. wk., 12th St. and Kedzie Ave.....		95.36		95.36
3627	Elect. wk., Lake St., State St. to Market St.....		416.08		416.08
			331.24		331.24

# FINANCIAL EXHIBITS

3628	Elect. wk. at various locations.....	4,388.89	4,388.89
3631	Spl. trk. wk., California and Chicago Aves.....	526.97	526.97
3633	Spl. trk. wk., Elston and Milwaukee Aves.....	798.87	798.87
3634	Spl. trk. wk., Lake & Wells Sts.....	1,108.00	1,108.00
3636	Spl. trk. wk., Roosevelt Road (12th St.) & Western Ave.....	7,142.00	7,142.00
3637	Elect. wk., Western Ave., Milwaukee Ave. to N. B. Chicago River & Western Ave. bridge.....	1,544.08	1,544.08
3638	Elect. wk., Lawndale Car Station (S. end).....	1,222.95	1,222.95
3639	Renw. of spans, Milwaukee Ave. from Armitage Ave. to Gale St.....	73.75	73.75
3640	Renw. of spans, 21st St., Western Ave. to Marshall Blvd.....	282.21	282.21
3641	Renw. of spans, Fullerton Ave. from Western Ave. to Crawford Ave.....	657.22	657.22
3642	Spl. trk. wk., Dearborn and Monroe Sts.....	295.29	295.29
3645	Renw. of spans, Racine Ave., 12th to 21st Sts.....	340.23	340.23
3646	Renw. of spans, California Ave., Chicago Ave. to Division St.....	192.48	192.48
3647	Renw. of spans on Ogden Ave., 1st Park Drive West of California Ave. to Albany Ave.....	104.19	104.19
3649	Spl. trk. wk., Kinzie St. and State St.....	204.15	204.15
3651	Renw. of Storage Batteries at various substations.....	5,221.82	5,221.82
3652	Renw. of spans, Noble St., Blackhawk and Holt Sts., from Milwaukee Ave. to North Ave.....	307.97	307.97
3653	Spl. trk. wk., 18th St. and Clark St.....	641.49	641.49
3656	Spl. trk. wk., Crawford Ave. and Irving Pk Blvd.....	2.46	2.46
3658	Spl. trk. wk., Grand Ave. and North Ave.....	2,528.00	2,528.00
3660	Spl. trk. wk., Grand Ave. and Wells St.....	16.70	16.70
3662	Spl. trk. wk., Halsted St., S. of Clark St.....	1,633.00	1,633.00
3663	Spl. trk. wk., Adams St. and Franklin St.....	705.28	705.28
3667	Spl. trk. wk., Clark St. and Southport Ave.....	213.25	213.25
3669	Spl. trk. wk., Clark St., Loop, N. of Devon Ave.....	46.82	46.82
5905	Deferred Payments on Bills.....	*1,748.87	*1,748.87
5917	Renw. of Ballast, Adams St., Fifth Ave. to La Salle St.....	5,118.44	5,118.44
5928	Depreciation of power plant machinery and equip't.....	2,120,195.00	2,150,195.00
5932	Repla. of steel by wood panels on 575 cars, at West Shops.....	37,164.00	37,713.48
5944	Str. trk. wk. and pvg., 16th St., Turner Ave. to Spaulding Ave.....	*153.28	*153.28
5946	Depreciation on Joint Substations.....	65,251.58	84,902.94
5958	Elect. wk. in vicinity of Crawford Ave. Substation No. 10.....	15.75	15.75
5960	Renw. of steel with headless brass sash on 325-1910 Pullman Cars.....	60,444.95	61,710.28
5987	Renw. of spl. wk., 18th and Clark Sts.....	13.16	11.83
5104	Elect. wk., Crawford Ave. Substation No. 10.....	*1.33	9.50
5108	Elect. wk. at various locations.....	868.92	895.15

\*Credit.



# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	Feb. 1, 1911 to Jan. 31, 1911	Feb. 1, 1910 to Jan. 31, 1910	Total
5115 Str. trk. wk. and pvg., Van Buren St. from Clark to State Sts. ....	\$ *186.46	\$ *289.25	\$ *475.71
5145 Changing arc lamps in various bldgs. and tunnels .....	6,824.31	5.63	6,829.94
5160 Spl. trk. wk., State and Madison Sts. ....	1,297.08	180.45	1,387.53
5178 Spl. trk. wk., Kedzie Ave. carhouse. ....	1,681.34	4,380.34	6,061.68
5186 Spl. trk. wk. at Clinton and Madison Sts. ....	*26,795.37	*153.77	26,949.14
5203 Spl. trk. wk., State and Washington St. ....	2,009.61	297.13	2,306.74
5232 Renew. of roof covering on one story carhouse, Hermitage Ave. & Courtland St. ....		5.15	5.15
5245 Spl. trk. wk., Clark and Madison Sts. ....	4,956.29	157.88	5,114.17
5258 Purchase and install. of one adnl. fuse box at West Shop. ....	20,716.27	2,668.16	23,384.43
5285 Renew. of spl. wk., Division and State Sts. ....	3,538.51	*30.00	3,568.51
5291 Str. and spl. trk. wk., Harrison St. E. of Franklin St. to Clinton St. ....	1,137.81	23,071.67	24,209.48
5292 Str. trk. wk., Franklin St. N. of Harrison St. ....		7.16	7.16
5293 Str. and spl. trk. wk., Polk St., W. end of Bridge to Canal St. ....	4,084.64	*3,433.61	651.03
5294 Str. and spl. trk. wk., Taylor St., W. end of Bridge to Clinton St. ....	11,519.68	27,612.82	39,132.50
5295 Str. trk. wk., Canal St. S. of 12th St. to Harrison St. ....	81.04	162.51	243.55
5296 Str. and spl. trk. wk., Van Buren St. W. end Bridge to Clinton St. ....	326.05	4.76	330.81
5297 Str. and spl. trk. wk., Adams St. E. of Bridge to Clinton St. ....	9.41	76.30	85.71
5298 Str. and spl. trk. wk., Clinton St., Adams to Monroe Sts. ....		13.28	13.28
5299 Str. and spl. trk. wk., Madison St. E. of Bridge to W. of Canal St. ....		*106.33	106.33
5300 Str. and spl. trk. wk., Randolph St. W. of Bridge to E. portal of C. & N. W. Sub. ....	7.04	137.01	134.05
5302 Str. and spl. trk., 12th St. W. end of Bridge to 120 ft. W. of Canal St. ....	17,535.69	*17,882.30	340.61
5303 Taking care of elect. line work during const. of the new union sta. ....	591.00	7,452.66	8,043.66
5309 Elect. wk., Dearborn St., Kinzie St. to Monroe St and Adams to Polk Sts. ....		7,733.26	7,733.26
5334 Renew. of spl. trk. wk., Fifth Ave. and Adams St. ....	15,421.03	8.06	15,429.09
5336 Repla. of present suspension bars on 590 Brill 27 GE-1 Trucks, etc., at West Shop. ....		7,049.20	7,049.20
5342 Spl. trk. wk., Jefferson and Taylor Sts. ....	2,097.50	1,390.21	3,487.71
5343 Spl. trk. wk., 14th and Jefferson Sts. ....	1,119.01	*673.19	1,792.20
5344 Spl. trk. wk., Clinton and Harrison Sts. ....	2,909.92	3,218.71	6,128.63
5345 Spl. trk. wk., Clinton and Taylor Sts. ....	680.48	.66	681.14
5346 Spl. trk. wk., Harrison and Jefferson Sts. ....	784.30	*134.92	919.22
5347 Elect. wk. at various locations a/c Union Station Co. ....	753.72	790.64	1,544.36
5348 Str. trk. wk., Lincoln Ave., Wrightwood Ave. to Irving Pk. Blvd. ....	63,982.55	8,130.85	72,113.40

# FINANCIAL EXHIBITS

5349	Str. trk. wk. at Blue Island Ave., Harrison St. to Western Ave.			38,542.44
5350	Spl. trk. wk., Madison St. E. of Crawford Ave., S. E. Corner of Loop House.		4,976.91	
5356	Str. trk. wk., Adams St., Clark to Wells Sts.	1,266.52	6.75	1,273.27
5359	Spl. trk. wk., Chicago Ave. and Clark St.	394.28	6,386.19	6,780.47
5362	Spl. trk. wk., Clark St. at Devon Car Sta.	2,798.73	1,152.31	1,646.42
5363	Renw. of lightning rod on Boiler House stack rear of Clark and Elm Sts.	18.23	8.95	3,636.55
5366	Str. trk. wk., Clark St., Dewey Pl. to Division St.	26,395.06	356.21	374.44
5367	Spl. trk. wk., Chicago Ave. and State St.	10.30	1,940.37	71,731.04
5368	Renw. of one pit at Division St. Carhouse.	1,805.27	138.12	1,930.67
5369	Renw. of roofing, downspouts, etc., at 13th & Ogden Ave. Frog Shop.	57.14	2,639.95	2,003.39
5371	Rebuilding No. 1 transformer, Western Ave. & Washington Blvd. Sub. Sta. No. 9.	1,219.32		2,697.09
5372	Spl. trk. wk., Clybourn Ave., Cortland St. and Racine Ave.		9.78	1,229.10
5373	Str. trk. wk., Jefferson St., 12th to 14th Sts.		2,756.08	2,756.08
5374	Str. trk. wk., Ashland Ave., Cortland St. to Grand Ave.		47.64	47.64
5375	Spl. trk. wk., North Ave. and C. M. & St. P. R. R. at Cherry Ave.		115,974.48	115,974.48
5376	Complete renw. of roofing at 13th St. & Oakley Ave.		1,142.36	1,142.36
5377	Spl. trk. wk., 18th St. and C. B. & Q. R. R. at Sangamon St.		1,715.27	1,715.27
5378	Purchase of one Lo-Swing Lathe at West Shop.		1,478.70	1,478.70
5379	Renw. of Flues in Boiler, Market and Washington Sts. Pumping Station		2,221.19	2,221.19
5380	Spl. trk. wk., Belmont Ave. and Clark St.		397.40	397.40
5381	Str. trk. wk., Madison St., Clinton St. to Springfield Ave.		1,293.45	1,293.45
5382	Furnish and install De Luxe wheels on automobile truck at Van Buren & Jefferson Sts.		124,761.46	124,761.46
5383	Purchase of one ton Ford Chassis, etc., at South Shop		82.11	82.11
5384	Rem. of trk. and pvg., 18th St. Viaduct E. of River.		2,975.98	2,975.98
5385	Elect. wk., Milwaukee Ave., Armitage Ave. to Foster Ave.		73.43	73.43
5386	Str. trk. wk., Milwaukee Ave., Ashland Ave. to Desplaines St.		8,259.64	8,259.64
5387	Str. trk. wk., North & Cicero Aves. Carhouse, E. & W. ends of Bays #6, 7, 8 & 9.		97,818.29	97,818.29
5389	Complete renw. of piers under 35 pit columns at Cicero & North Aves. Carhouse Bay #5.		1,146.66	1,146.66
5392	Str. trk. wk., Halsted St., Milwaukee Ave. to Chicago Ave.		2,294.39	2,294.39
5393	Str. trk. wk., 18th St., State St. to Viaduct W. of Wentworth Ave., Mechanic St. to Canal St.		13,464.86	13,464.86
5394	Renw. of roofing and corrugated iron partition at 201-25 Larrabee St.		20,591.96	20,591.96
5395	Complete renw. of meter vault and connections—Washington Blvd. near Crawford Ave.		588.32	588.32

\*Credit.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	Feb. 1, 1911 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
5396 Spl. trk. wk., Taylor and Wells Sts.....		\$ 820.54	\$ 820.54
5397 Elect. wk., Lincoln Ave., Sheffield Ave. to Irving Pk. Blvd.....		3,324.93	3,324.93
5399 Renw. of engines in Garford and Peerless Trucks at Grand & Leavitt St. 5400 Complete renw. of lightning rod on stack at West Shops boiler room, West End Ave.....		1,157.55	1,157.55
5401 Spl. trk. wk., North Ave. and Robey St.....		347.22	347.22
5402 Str. trk. wk., La Salle St. Tunnel.....		851.04	851.04
5403 Complete renw. of heating system and elevator at 2317-39 Ogden Ave. 5404 Str. trk. wk., State St., Division St. to Kinzie St.....		4,863.09	4,863.09
5405 Purchase and install. of one Cleveland Lathe, etc., West Shop, Machine Shop.....		10,120.20	10,120.20
5406 Str. and spl. trk. wk. and pvg., Western Ave. Disposal Track at Grace St.....		35,386.07	35,386.07
Horses.....		923.86	923.86
Obsolete Material.....		3,491.12	3,491.12
Expense in conn. with purchase of real estate at Devon Ave. Carhouse site.....		2,759.70	2,759.70
		8,922.40	8,922.40
		2.30	2.30
	<b>\$ 8,780,605.52</b>	<b>\$ 1,362,187.35</b>	<b>\$10,142,792.87</b>

FINANCIAL EXHIBITS

EXHIBIT P.

**CERTIFICATES ISSUED BY BOARD OF SUPERVISING  
ENGINEERS COVERING CONSTRUCTION AND RE-  
HABILITATION EXPENDITURES MADE BY  
CHICAGO RAILWAYS COMPANY.**

FEBRUARY 1, 1919, TO JANUARY 31, 1920.

Certificate No.	Date	Amount
263	March 1, 1919.....	\$ 575.00
265	April 1, 1919.....	28,750.00
266	April 15, 1919.....	69,156.39
267	May 1, 1919.....	1,150.00
268	May 19, 1919.....	50,871.30
269	June 1, 1919.....	115.00
270	June 13, 1919.....	39,887.20
271	July 1, 1919.....	1,150.00
272	July 15, 1919.....	27,387.74
273	August 1, 1919.....	1,150.00
274	August 26, 1919.....	66,806.19
275	September 1, 1919.....	1,150.00
276	September 18, 1919.....	4,320.67
277	October 1, 1919.....	115.00
278	October 16, 1919.....	4,008.92
279	November 1, 1919.....	575.00
280	November 15, 1919.....	5,306.90
281	December 1, 1919.....	115.00
282	December 13, 1919.....	14,995.31
283	January 1, 1920.....	5,750.00
284	January 15, 1920.....	7,898.22
285	February 1, 1920.....	115.00
286	February 25, 1920.....	117,418.74
288	March 10, 1920.....	5,443.94
		\$ 454,211.52
	Reported previous to February 1, 1919.....	61,587,640.61
	<b>Total.....</b>	<b>\$62,041,852.13</b>

EXHIBIT P—SCHEDULE No. 1.  
CHICAGO RAILWAYS COMPANY.

ADDITIONS TO CAPITAL ACCOUNT—COSTS AND LOCATIONS

JULY 1, 1906 TO JANUARY 31, 1920

Many of the following are split accounts, i. e., carrying charges to both capital and renewals, but only charges to capital account are shown herein.

	July 1, 1906 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
Accounts previously reported.....	\$49,858,451.19		\$49,858,451.19
2004 Const. of new and adnln. patterns.....	7,192.67	1,357.81	8,550.48
2009 Deferred Payments on Bills.....	123,672.34	80.00	123,752.34
2055 Elect. wk., 18th St. from Clark St. to viaduct.....	81.82	159.95	241.77
2069 Spl. assessments—City of Chicago.....	61,921.42	7,974.59	69,896.01
2071 Pvg. outside right-of-way, account trk. wk. only.....	219,486.25	4,863.40	224,349.65
2076 Install. trk. drains.....	3,253.83	61.41	3,315.24
2082 Purchase and install. shop tools and equipt. at the West Shops.....	7,205.45	5,281.91	12,487.36
2090 Engineering and potential surveys.....	42,839.32	5,739.56	48,578.88
2096 Elect. wk., Division St., Grand to Cicero Aves.....	10,216.95	7.50	10,224.45
2102 Elect. wk., Milwaukee Ave., C. & N. W. R. to City Limits.....	15,475.77	7.50	15,483.27
2125 Str. trk. wk. and pvg., 16th St., Kedzie to Spaulding Aves. and Turner to Central Pk. Aves.....	10,805.50	*10,805.50	
2141 Install. of new and adnln. Cheatham automatic elect. trk. switches at various locations.....	3,873.60	9.00	3,882.60
2144 Spl. trk. wk. at various locations.....	6,919.98	4,315.07	11,235.05
2151 Equipping 600 old Pullman cars with tie-rods, etc., at the West Shops	7,107.34	49.82	7,157.16
2156 Purchase and Install. of new and adnln. office equipt.....	5,986.52	706.30	5,882.82
2158 Str. trk. wk., at various locations.....	588.24	384.01	972.25
2159 Str. trk. wk. at various locations.....	5,018.00	8.34	5,026.34
2168 Str. trk. wk. at various locations.....	9,393.81	887.96	10,281.77
2170 Spl. trk. wk. at various locations.....	222.95	*51.78	171.17
2176 Elect. wk., Western Ave., Devon Ave. to Howard St.....	11,381.44	5.25	11,386.69
2181 Str. and spl. trk. wk. and pvg., Ravenswood Ave., Devon Ave. to 234.59 ft. N. of Schreiber Ave.....	9,908.21	51.78	9,959.99

## FINANCIAL EXHIBITS

2186	Elect. wk., Illinois St. Sub. Sta. #6 vicinity	17,662.66	5.25	17,667.91
2191	Purchase and Install. of new and addnl. testing instruments	554.85	124.89	679.74
2198	Install. of new and addnl. car route signs at West Shops	3,634.05	3,260.86	6,894.91
2201	Str. and spl. trk. wk., 12th St., 120 ft. W. of Canal St. to Ashland Ave., account of 12th St. widening	210,739.96	258.69	210,998.65
2202	Spl. trk. wk., 12th and Clark Sts.	377.33	4.64	381.97
2206	Purchase of 45 reinforced steel boxes and 24 steel barrels including 69 padlocks for same	513.59	154.36	667.95
2209	Elect. wk., 12th St., 120 ft. W. of Canal St. to Ashland Ave., account of 12th St. widening	17,253.07	*117.14	17,350.93
2221	Elect. wk., Canal St., Harrison St. to Kinzie St.	1,490.91	18.93	1,509.84
2222	Elect. wk., Fullerton Ave., Cicero Ave. to Central Ave.	8,415.60	15.84	8,431.44
2224	Elect. wk., Diversey Ave., Cicero Ave. to Milwaukee Ave.	4,540.88	54.09	4,594.97
2227	Elect. wk., Western Ave. to Kedzie Ave.	3,625.68	10.08	3,635.76
2234	Manufacture and Install. of air rectifiers on various cars at the West Shops	4,521.40	1,885.40	6,406.80
2236	Install. of new and addnl. braces, etc., on 2,000 Pullman Baldwin #150 Trucks - West Shops	19,069.56	15,288.33	35,257.89
2244	Elect. wk. in vicinity of Commonwealth Edison Co., Franklin St. N. of Van Buren St. Sub. Sta.	3,544.76	9.00	3,553.76
2245	Install. of new and addnl. oil switches and compartments at various substations	7,207.41	71.50	7,278.91
2247	Eqpt. of ten double truck sprinklers with wings, etc., at the West Shops	5,354.51	2,114.21	7,468.72
2250	Elect. wk. at Madison St. Loop House (Springfield Ave.)	40.09	885.64	925.73
2253	New and addnl. steel racks for storm sash storage at Lawndale, Blue Island Ave. & Cicero & North carhouses	1,326.41	1,737.43	3,063.84
2255	Elect. wk., Irving Pk. Blvd., Robey St. to Crawford Ave.	4,834.85	12.84	4,847.69
2256	Install. of tower hose bridge and wreck wagon auto. truck at Grand Ave. and Leavitt St.	5,190.99	18.00	5,208.99
2263	Purchase of 20 GB-242 Armatures including pinion end frame heads, etc., at West and South Shops	.....	3,747.34	3,747.34
2264	Str. and spl. trk. wk. and pvg., Orleans St., Franklin St. to Austin Ave. (Upper Roadway)	33.29	93.53	126.82
2266	Install. of new and addnl. rail car stops in Lincoln and Wrightwood Ave. carhouse	236.78	104.68	341.46
2267	Purchase of two 2-ton and two 1-ton Garford auto. trucks, Grand Ave. and Leavitt St.	16,147.20	3.19	16,150.39

\*Credit.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1919 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
2271	\$ 263.16	\$ 854.08	1,117.24
		11.05	11.05
2272		632.72	632.72
2273		27,942.67	27,942.67
2274		5,505.67	5,505.67
2275		8,476.32	8,476.32
2276			
2277		3,128.02	3,128.02
2278			
2279		242.10	242.10
2280		476.87	476.87
2281		12,081.34	12,081.34
2282		7,798.47	7,798.47
2283		518.00	518.00
3215		145.82	145.82
3235	41,822.45	154.70	41,977.15
3240	7,881.19	1.73	7,882.92
3296	1,641.05	78.84	1,719.89
3102	21,036.35	11,036.02	32,072.37
3126	2,653.08	5.25	2,658.33
3132	301,371.42	395.60	301,767.02
3150	8,448.05	209.02	8,657.07
3227	19,788.20	279.64	20,067.83
3241	45,193.58	1,898.36	47,091.94
3243	1,262.91	6.00	1,268.91
3248	5,156.52	11.50	5,168.02
3251	9,595.74	22.35	9,618.09
3255	553.77	5.25	559.02
3264	6,098.77	6.00	6,104.77
3272	68,097.59	158.11	68,255.70
	1,853.15	41.80	1,894.95

# FINANCIAL EXHIBITS

3274	Str. and spl. trk. wk. and pvg., Monroe St., Clinton St. to La Salle St.	108,373.20	20,441.82	128,815.02
3283	Purchase and install. of addnl. heaters, thermostats, etc., on various cars at West Shops	141,795.01	278.15	141,983.16
3288	Str. and spl. trk. wk. and pvg., Lawrence Ave. from Crawford Ave. to Milwaukee Ave.	127,776.00	*	127,763.46
3292	Str. and spl. trk. wk. and pvg., Laramie Ave., from Harrison to Madison Sts.	54,464.89	*	53,069.36
3308	Str. trk. wk. and pvg., 16th St. from Kedzie Ave. to Central Pk. Ave.	31,159.54	10,958.78	42,118.32
3309	Repla. of air tanks and mud guards on 600 Pullman cars at West Shops	2,625.44	2,625.44	2,625.44
3334	Elect. wk., Broadway, Lawrence to Devon Aves.	1,062.31	5.50	1,067.81
3339	Str. and spl. trk. wk. and pvg., Schreiber Ave., Clark St. to Ravenswood Ave.	41,529.10	* 1,842.22	39,686.88
3340	Str. and spl. trk. wk. and pvg., Lawrence Ave. Bridge and approaches	925.11	20,271.76	21,196.87
3341	Elect. wk., Schreiber Ave., Clark St. to Ravenswood Ave. and Ravenswood Ave. from Schreiber to Devon Aves.	2,668.11	1,187.07	3,795.18
3349	Install. of new roof covering and addnl. skylights at S. W. cor. Washington Blvd. and Western Ave.	977.32	857.98	1,835.30
3352	Purchase of three differential dump car bodies, etc., at the West Shops	21,632.76	1,152.71	22,785.47
3355	Elect. wk., Eiston Ave. car house, Front, Rear and N. Yd.	4,481.30	31.44	4,512.74
3358	Elect. wk., Grand Ave., Halsted St. to end of Municipal pier & Harlem to Austin Aves.	2,025.89	1,198.91	3,224.80
3359	Str. and spl. trk. wk. and pvg., 12th St., Wabash Ave. to W. end of bridge account of 12th St. widening.	21.84	1,331.01	1,352.85
3373	Str. trk. wk. and pvg., Canalport Ave., 18th to Halsted Sts.	5,484.24	200.04	5,224.20
3378	Str. trk. wk. and pvg., Canal and Taylor Sts.	4,126.64	402.45	4,529.09
3384	Elect. wk., 12th & Canal Sts.	249.00	249.00	249.00
3389	Str. and spl. trk. wk. and pvg., Devon Ave., Western to Kedzie Aves.	.....	1.52	1.52
3401	Install. of concrete and creosoted block flooring—truck shop bldg., West Shops	4,419.21	170.21	4,589.42
3404	Spl. trk. wk., 12th St. and Robey St.	.....	858.73	858.73
3408	Elect. wk. at various locations	4,332.87	4,662.99	8,995.86
3411	Elect. wk., Cicero Ave., Madison St. to Irving Park Blvd.	7,141.76	22.48	7,119.28
3412	Elect. wk., Grand Ave., Halsted St. to Austin Ave.	8,517.25	42.57	8,559.82
3413	Elect. wk., Wells St., Kinzie St. to River	6,845.14	5.46	6,839.68
3416	Elect. wk., Grand Ave., Monticello to Homan Aves.	8.25	16.22	24.47
3425	Elect. wk., Clark and Randolph Sts.	85.26	235.74	321.00
3432	Renw. of Spans, Grand Ave., N. to Armitage Ave.	.....	619.59	619.59
3433	Renw. of Spans, Clark St., Halsted St. to Devon Ave.	301.66	1,743.91	2,045.57
3434	Renw. of Spans, Broadway—Clark to Halsted Sts.	.....	851.59	851.59

\*Credit.



# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1906 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
	\$	\$	\$
3435 Renw. of Spans, North Ave., Clark St. to Grand Ave.	19.56	2,565.47	2,585.03
3436 Renw. of Spans, Clybourn Ave., Division St. to Belmont Ave.		1,754.86	1,754.86
3438 Renw. of Spans, Van Buren St., River to Kedzie Ave.	5,406.58	27.02	5,433.60
3440 Spl. trk. wk., Fullerton Ave. and Milwaukee Ave.	5,248.80	7.41	5,256.21
3441 Str. and spl. trk. wk., N. end of Truck Shop, E. of Crawford, bet. Washington Blvd. and W. End Ave.			
3444 Spl. trk. wk., Center and Clark Sts	32.44	3,672.55	3,704.99
3445 Spl. trk. wk., Clark and Van Buren Sts		1,010.32	1,010.32
3449 Renw. of spans, Western Ave., Grand to Milwaukee Aves.	4,609.17	*	4,609.02
3453 Elect. wk., Monroe St., Clinton to LaSalle Sts	2,134.11	*	2,091.59
3454 Elect. wk., Madison St., State St. to Kedzie Ave. and Cicero Ave to Austin Ave.	12,716.51	4,806.29	17,522.80
3456 Elect. wk., Division St., State St. to Clybourn Ave. and Milwaukee Ave. to Mozart St.	7,406.67	1.63	7,408.30
3457 Elect. wk., Webster Ave., Racine Ave. to Lincoln Ave.	4,116.93	12.92	4,129.85
3458 Elect. wk., Racine Ave., Fullerton to Clybourn Aves. and Adams to 12th Sts.	539.33	.15	539.48
3459 Elect. wk., Desplaines St., Harrison St. to Milwaukee Ave.	1,987.26	16.79	2,004.05
3460 Const. of one car body to replace car #1360, West Shop.	2,705.67	37.95	2,743.62
3461 Spl. trk. wk., Halsted and Madison Sts.	1,512.69	10,292.90	11,805.59
3462 Elect. wk., Ashland Ave. and Paulina St., Cortland to 22nd Sts.	21,749.04	43.71	21,792.75
3463 Elect. wk., Sedgwick St., Division St. to Center St.	5,339.82	158.30	5,498.12
3464 Elect. wk., 16th St., Kedzie Ave. to Kenton Ave.	205.80	619.16	824.96
3465 Spl. trk. wk., Randolph and Wells Sts.	1,713.36	19.56	1,693.80
3466 Spl. trk. wk., VanBuren and Wells Sts.	11,478.98	2,243.27	9,235.71
3468 Spl. trk. wk., Adams and Halsted Sts.	13,939.43	2,549.84	11,389.59
3469 Spl. trk. wk., 18th St. and Ashland Ave.		9,465.69	9,465.69
3471 Spl. trk. wk., Armitage and California Aves.	3,972.36	335.50	4,307.86
3472 Spl. trk. wk., Clark St. and Irving Pk. Blvd.	5,011.17	183.08	5,194.25
3473 Spl. trk. wk., Clark St. and Montrose Ave.	3,143.32	132.61	3,010.71
3474 Spl. trk. wk., Clark St. and Lawrence Ave.	2,211.98	224.52	1,987.46
3475 Elect. wk., Broadway and Devon Ave., Irving Pk. to Clark St.	3,964.19	97.86	4,062.05
3476 Spl. trk. wk., Dearborn and Randolph Sts.		1,206.34	1,206.34
3477 Spl. trk. wk., Division and Robey Sts.	6,559.47	542.05	6,016.82
3478 Spl. trk. wk., Grand Ave. and State St.		5,397.65	5,397.65
3479 Spl. trk. wk., Grand and Western Aves.	5,430.88	350.97	5,979.91
3480 Spl. trk. wk., Harrison and Paulina Sts.		3,554.36	3,554.36

# FINANCIAL EXHIBITS

3482	Spl. trk. wk., Harrison St. and Ogden Ave. ....	9,213.86	*	852.08	8,361.78
3485	Elect. wk., Milwaukee Ave., Lake St. to Armitage Ave. ....	1,580.86		108.51	1,755.37
3487	Elect. wk., Chicago Ave., Milwaukee Ave to Clark St. ....	1,566.86	*	.02	1,566.84
3489	Elect. wk., Monroe St., Clark St. to Dearborn St. ....	212.49		20.84	242.33
3491	Elect. wk., E. S. Crawford Ave., Montrose Ave. to Foster Ave. ....	2,623.11		6.50	2,629.61
3493	Elect. wk., Adams St., Clark St. to Racine Ave. ....	3,413.17		8.78	3,421.95
3496	Elect. wk., Halsted St., O'Neil St. to Broadway. ....	7,443.32		198.94	7,642.26
3498	Elect. wk., Polk St., Wells to Canal Sts. ....	254.31		7.35	261.66
3499	Elect. wk., Harrison St., State St. to Halsted St. ....	1,596.10		2,828.48	4,424.58
3501	Spl. trk. wk., Ashland Ave. and Lake St. ....	.....		3,021.53	3,021.53
3505	Elect. wk., Cicero Ave. and North Ave. carhouse. ....	.....		3,249.15	3,249.15
3506	Str. trk. wk. and pvg., Division St. Bridge and approaches E. of Elston Ave. ....	.....		87.14	87.14
3507	Elect. wk., Kinzie St., Wells St. to Canal St., Orleans and Franklin Sts., Austin Ave. to Lake St. ....	564.70		2,494.11	3,058.81
3510	Spl. trk. wk., VanBuren St., W. of State St. ....	.....		586.82	586.82
3513	Spl. trk. wk., Franklin and Washington Sts. ....	.....		14,232.05	14,232.05
3514	Spl. trk. wk. at various locations. ....	8,953.86		404.44	9,358.30
3515	Elect. wk., Lawrence Ave. Bridge account of new bridge. ....	304.16		1,954.14	2,338.30
3516	Spl. trk. wk., 12th St. and Ogden Ave. ....	8,319.24		924.70	9,243.94
3517	Ext. of trk. and pvg., Franklin St., Lake to Orleans Sts. ....	1,975.85		3,437.00	4,512.94
3523	Str. trk. wk. and pvg., Grand Ave. Bridge and Viaduct. ....	3,113.53	*	1,474.40	1,939.13
3524	Install. of Lost Article Case, wire cage, etc., at Ogden Ave. & 22nd St. carhouse. ....	.....		426.72	1,201.04
3526	Spl. trk. wk. and pvg., Clark St. N. of Devon Ave. ....	2,862.64	*	401.50	2,401.14
3527	Spl. trk. wk., Madison St., E. of Franklin St. ....	572.63		119.39	692.02
3528	Elect. wk. from VanBuren Substa. #1 on Desplaines St., Randolph St. to N. of Fulton St. ....	640.30		26.99	667.29
3529	Elect. wk. in connection with the widening of Michigan Ave. at Grand Ave. and at Chicago Ave. ....	61.83		5,965.64	6,027.47
3532	Str. trk. wk. and pvg., Grand Ave. Sub. at Pine St. account const. of Sub. ....	.....		1,874.96	1,874.96
3534	Str. trk. wk. and pvg., Austin Ave. and Halsted St. ....	1,377.80	*	72.64	1,305.16
3535	Spl. trk. wk., Larrabee St. and North Ave. ....	.....		2,915.49	2,915.49
3536	Spl. trk. wk., Clybourn Ave. and North Ave. ....	.....		1,635.62	1,635.62
3537	Elect. wk. on 12th St. viaduct 12th St. W. S. River to W. S. Wabash Ave. account new bridge and viaduct. ....	.....		1,476.76	1,476.76
3538	Spl. trk. wk., Wabash Ave. and Washington St. ....	.....		384.23	384.23
3539	Spl. trk. wk., Chicago Ave. and Halsted St. ....	.....		885.26	885.26

\*Credit.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1906 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
	\$	\$	\$
3541 Spl. trk. wk., Broadway N. of Sheridan Road.....		675.78	675.78
3542 Spl. trk. wk., Dearborn and Kinzie Sts.....		320.81	320.81
3543 Spl. trk. wk., Ashland Ave. and Cortland St.....	\$ 105.81	196.17	301.98
3544 Str. trk. wk. and pvg., Van Buren St. Bridge.....		3,509.67	3,509.67
3545 Spl. trk. wk., Clark St. and Dole Ave.....		4,525.60	4,525.60
3546 Spl. trk. wk. and pvg., Southport Ave. at C. M. & St. P. R. R. (Kingsbury St.).....		1,633.82	1,633.82
3547 Spl. trk. wk. and pvg., North Ave. at C. M. & St. P. R. R. (Kingsbury St.).....		2,370.75	2,370.75
3548 Str. and spl. trk. wk. and pvg., Grand Ave., Austin to Harlem Aves.....		653.51	653.51
3549 Str. trk. wk. and pvg., Clinton St., 12th to Harrison Sts.....		1,719.58	1,719.58
3550 Spl. trk. wk., Ogden Ave. and Paulina St.....		2,709.48	2,709.48
3551 Spl. trk. wk., Ashland Ave. and Erie St.....		2,931.45	2,931.45
3552 Spl. trk. wk., Harrison and Robey Sts.....		2,559.72	2,559.72
3553 Elect. wk., Irving Pl. Blvd. and Kenmore Ave. (N. W. "L"), Ravenswood Ave. (C. & N. W.), Ravenswood Ave. (N. W. "L").....		680.62	680.62
3554 Spl. trk. wk., Crawford Ave. and Madison St.....		804.08	804.08
3555 Spl. trk. wk. and pvg., Cicero Ave. and Madison St.....		1,610.96	1,610.96
3556 Complete renw. of roofing, gutters, etc., at Armitage and Campbell Aves. carhouse, Bay No. 1, office and loop house.....		2,593.38	2,593.38
3557 Spl. trk. wk., Franklin St. at Van Buren St. Tunnel.....		489.23	489.23
3558 Elect. wk., Robey St. and Lyndale St. (C. & N. W.), Robey St. S. of Milwaukee Ave. (Met. "L") and Robey and Kinzie Sts. (C. & N. W.).....		807.63	807.63
3559 Spl. trk. wk., Clark and Randolph Sts.....		9,442.81	9,442.81
3560 Elect. wk., Chicago Ave., California to Kedzie Aves. and Crawford to Cicero Aves.....		1,627.02	1,627.02
3561 Str. trk. wk. and pvg., Elston Ave. carhouse and yard.....		620.47	620.47
3562 Elect. wk., Clark St., Diversey Ave. to Halsted St. and Wells St. to Center St.....		3,410.66	3,410.66
3563 Elect. wk., Larrabee St., Lincoln Ave. to Chicago Ave.....		2,501.04	2,501.04
3564 Elect. wk., 18th St., Leavitt St. to State St., Leavitt St., 18th St. to Blue Island Ave.....		868.62	868.62
3565 Elect. wk., Crawford Ave., Elston Ave. to Bryn Mawr Ave. and just St., Madison to Kostner Ave.....		2,519.26	2,519.26
3566 Elect. wk., Halsted St., O'Neil St. to Division St.....		2,218.84	2,218.84
3567		3,738.50	3,738.50

## FINANCIAL EXHIBITS

3571	Spl. trk., State and Elm Sts.	719.20	719.20
3572	Elect. wk., Fullerton Ave., Halsted St. to Milwaukee Ave., Cicero Ave. to Crawford Ave.	796.21	796.21
3573	Reconst. of trk. and pvg., Clark St. Bridge and approaches at Chicago River (S. Half only)	513.26	513.26
3574	Reconst. of trk. and pvg., Clark St. Bridge and approaches at Chicago River (N. Half only)	932.20	932.20
3575	Reconst. of spl. trk. wk., State and Cedar Sts.	7,571.79	7,571.79
3576	Elect. wk., Halsted St., O'Neil St. to Center of River at 25th St.	17.04	17.04
3577	Renw. of spans, Morgan St., Fulton to Monroe Sts. and Monroe St., Morgan to Clinton Sts.	1,005.35	1,005.35
3578	Renw. of Spans, Kingsbury St., Chicago Ave. to Erie St., Erie St., Kingsbury St. to Franklin St.	363.53	363.53
3579	Renw. of Spans, Webster Ave., Lincoln Ave. to Racine Ave.	199.25	199.25
3580	Reconst. of trk., spl. trk. wk. and pvg., Monroe St. at Sangamon St.	1,308.79	1,308.79
3581	Repla. of present Greenfield Conduit—West Shop.	1,356.70	1,356.70
3583	Spl. trk. wk., Lake & State Sts.	3,129.33	3,129.33
3585	Renw. of spl. trk. wk., Halsted St., N. of Van Buren St.	908.58	908.58
3587	Spl. trk. wk. at Madison St. Loop House.	6,937.99	6,937.99
3589	Spl. trk. wk. and pvg., Chicago Ave. and C. M. & St. P. R. R. (Larabee St.)	1,485.00	1,485.00
3590	Spl. trk. wk., 12th and Wells Sts.	222.88	222.88
3591	Elect. wk., Division St., from Milwaukee to Clybourn Aves.	1,267.46	1,267.46
3592	Spl. trk. wk., Wells St., S. of Kinzie St.	1,288.72	1,288.72
3593	Renw. of W. end Boiler Room at the West Shops.	28,110.64	28,110.64
3595	Elect. wk. at various locations	2,788.39	2,788.39
3597	Rem. and repla. of elect. equip. account of Augusta St. sewer at various locations.	2,746.50	2,746.50
3598	Elect. wk., Ashland Ave., Irving Pk. Blvd. to Belmont Ave.	375.34	375.34
3599	Elect. wk., Kedzie Ave., Elston Ave. to Lawrence Ave.	383.38	383.38
3601	Elect. wk., North Ave., Clark St. to Cicero Ave.	6,337.66	6,337.66
3602	Elect. wk., Washington St., Desplaines to State Sts.	1,917.50	1,917.50
3603	Elect. wk., Randolph St., River to State St.	1,734.97	1,734.97
3604	Renw. of Roofing on Mill, Fender Shop, Fan Room, etc., at West Shops	1,126.92	1,126.92
3605	Elect. wk., Dearborn St., Monroe to Adams Sts.	42.76	42.76
3606	Elect. wk., Dearborn St., Lake to Monroe Sts., and Dearborn St., Adams St. to Van Buren St.	1,364.80	1,364.80
3607	Elect. wk., Austin Ave., Wells St. to Franklin St., Franklin St., Kinzie to Erie Sts.	3,354.50	3,354.50

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	July 1, 1906 to Jan. 31, 1919	Feb. 1, 1919 to Jan. 31, 1920	Total
	\$	\$	\$
3608 Pvg. wk., Wells St. Viaduct, Polk St. to Taylor St.	.....	.....	.....
3609 Reconst. of trk., Clark St. Viaduct S. of Kinzie St.	.....	2,425.75	2,425.75
3610 Spl. trk. wk. and pvg., Madison St. W. of Clinton St.	.....	277.74	277.74
3611 Complete renw. of roofing, metal wk., plumbing, etc., at 2317-39 Ogden Ave.	.....	861.03	861.03
3612 Spl. trk. wk., Division St. E. of Wells St.	.....	4,359.48	4,359.48
3613 Spl. trk. wk. and pvg., Kedzie Ave. and Northwestern Elevated R. R. N. of Leland Ave.	.....	2,654.65	2,654.65
3614 Reconst. of trks. and pvg., Taylor St. W. end of Bridge to Wells St. Viaduct.	.....	155.22	155.22
3615 Spl. trk. wk. and pvg., Laramie Ave. S. of Lake St.	.....	6,017.39	6,017.39
3616 Str. and spl. trk. wk. and pvg., 18th St. Viaduct, Lumber St. to W. end of River Bridge.	.....	2,551.98	2,551.98
3617 Elect. wk., Franklin St., Harrison St. to Washington St., Franklin St., Randolph to Lake Sts.	.....	2,090.83	2,090.83
3618 Spl. trk. wk. and pvg., Erie St. and Orleans St.	.....	1,450.86	1,450.86
3620 Spl. trk. wk., Halsted and Randolph Sts.	.....	5,213.96	5,213.96
3621 Spl. trk. wk., Desplaines St. and Milwaukee Ave.	.....	673.40	673.40
3622 Spl. trk. wk., Van Buren St. E. of Western Ave.	.....	1,893.54	1,893.54
3623 Spl. trk. wk., Lake St. and Paulina St.	.....	4,487.47	4,487.47
3627 Elect. wk., Lake St., State to Market Sts.	.....	6,323.09	6,323.09
3628 Renw. of Cheatham Automatic elect. trk. switches, etc., at various locations.	.....	4,413.33	4,413.33
3634 Spl. trk. wk., Lake and Wells Sts.	.....	1,360.16	1,360.16
3636 Spl. trk. wk., Roosevelt Rd. (12th St.) and Western Ave.	.....	49.26	49.26
3637 Elect. wk., Western Ave., Milwaukee Ave. to N. B. Chicago River and Western Ave. bridge (N. Branch)	.....	11,692.84	11,692.84
3638 Spl. trk. wk., S. end of Lawndale Car Sta.	.....	582.52	582.52
3640 Renw. of spans, 21st St., Western Ave. to Marshall Blvd.	.....	416.46	416.46
3641 Renw. of spans, Fullerton Ave. from Western to Crawford Aves.	.....	481.70	481.70
3645 Renw. of spans, Racine Ave., from 12th to 21st Sts.	.....	289.45	289.45
3646 Renw. of spans, California Ave. from Chicago Ave. to Division St.	.....	570.52	570.52
3647 Renw. of spans, Ogden Ave., 1st Park Drive W. of California to Albany Aves.	.....	127.44	127.44
3651 Renw. of storage batteries complete at various sub-stations.	.....	634.58	634.58
3652 Renw. of spans, Noble St., Blackhawk and Holt Sts. from Milwaukee to North Aves.	.....	1,188.27	1,188.27
	.....	369.70	369.70

## FINANCIAL EXHIBITS

3658 Spl. trk. wk., Grand and North Aves.....	1,867.17		1,867.17
3662 Spl. trk. wk., Halsted St. S. of Clark St.....			1,378.17
			\$52,580,065.18
Allowance 15% for conducting work, furnishing equipment and pro- curing funds.....	\$52,069,832.43	\$	510,232.75
	7,584,497.16	\$	76,534.90
		\$	\$60,241,097.24
<b>Tunnels:</b>			
General expense.....	25,508.01		25,508.01
La Salle St.....	27,144.93		27,144.93
Washington St.....	70,708.86		70,708.86
Van Buren St.....	186,068.85		186,068.85
		\$	\$60,550,527.89
<b>Adjustment of fluctuating accounts:</b>			
Material & Supplies.....	1,559,676.48		*123,560.71
Horses.....	2,062.00		* 2,950.50
5% Brokerage.....	66,865.89		* 6,044.92
		\$	\$62,041,852.13
		\$	454,211.52
			*Credit.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT Q.

CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

BALANCE SHEET  
JANUARY 31, 1920

ASSETS

VALUE OF PROPERTIES:

Value as stated by Traction Valuation Commission February 1, 1908.....	\$ 5,000,000.00
Certificates issued by Board of Supervising Engi- neers.....	6,348,821.70

Total value of Properties—Schedule No. 1..... \$11,348,821.70

CURRENT ASSETS..... 221,167.56

Total..... \$11,569,989.26

LIABILITIES

CAPITAL:

Representing purchase price of the properties in accordance with the terms of the City Ordinance	\$11,348,821.70
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RESERVE FOR DAMAGES..... 955.23  
RENEWAL AND DEPRECIATION RESERVE FUND..... 220,212.33

Total..... \$11,569,989.26

FINANCIAL EXHIBITS

EXHIBIT Q—SCHEDULE No. 1.

CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

VALUE OF PROPERTIES

JANUARY 31, 1920

	As Valued By T.V.C.	Additions Feb. 1, 1908 to Jan. 31, 1919	Additions Feb. 1, 1919 to Jan. 31, 1920	Total
Organization.....	\$ 362,768.89	.....	.....	\$ 362,768.89
Engineering and super- intendence.....	.....	\$ 771,330.73	\$ 17,983.31	789,314.04
Track (excl. of paving)..	1,537,691.28	3,089,858.01	126,450.88	4,754,000.17
Paving.....	26,542.51	903,456.29	26,128.25	956,127.05
Electric line constr.....	232,931.33	566,825.36	19,152.04	818,908.73
Real estate.....	260,892.50	60,074.93	3,918.86	324,886.29
Buildings and fixtures...	280,789.42	55,766.05	1,019.05	337,574.52
Investment real estate..	47,040.73	* 47,040.73	.....	.....
Power plant equipment.	238,050.60	131,837.05	.....	369,887.65
Shop tools and machin- ery.....	28,959.97	* 1,612.71	.....	27,347.26
Cars—revenue.....	502,998.28	266,888.06	2,147.89	772,034.23
Electric equip. of cars...	215,967.59	158,889.62	* 221.90	374,635.31
Miscellaneous equip....	49,449.79	29,831.29	951.06	80,232.14
Interest and discount...	.....	270,191.67	8,991.66	279,183.33
Miscellaneous.....	953,060.40	9,585.93	277.99	962,924.32
Material and supplies...	218,636.30	* 218,636.30	.....	.....
Horses.....	1,150.00	* 1,150.00	.....	.....
Fill.....	41,261.20	87,374.32	.....	128,635.52
Subways.....	1,809.21	3,817.46	.....	5,626.67
Docks and wharves....	.....	4,726.58	.....	4,726.58
	<u>\$ 5,000,000.00</u>	<u>\$ 6,142,013.61</u>	<u>\$ 206,808.09</u>	<u>\$ 11,348,821.70</u>

\*Credits.



THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

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EXHIBIT R.

CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

CONDITION OF RESERVE FOR DAMAGE CLAIMS

JANUARY 31, 1920

FOR ACCIDENTS OCCURRING BETWEEN FEBRUARY 1ST, 1908 AND JANUARY 31ST, 1914.

On hand February 1st, 1919.....	\$	352.46
Reserved during year.....		5,400.00
Interest allowed on reserve fund during year.....		12.99
		<hr/>
Total.....	\$	5,765.45
Expended during year.....		4,810.22
		<hr/>
On hand February 1st, 1920.....	\$	955.23

# FINANCIAL EXHIBITS

## EXHIBIT S.

### CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

#### RENEWAL AND DEPRECIATION RESERVE FUND

JANUARY 31, 1920

Balance in fund January 31, 1919.....		\$ 199,022.02
<b>Reserved during year:</b>		
9.91% of 40% of 8% of gross receipts of Chicago Surface Lines based on decision of State Public Utilities Commission commencing August, 1919.....		119,284.52
Salvage from Special Accounts.....	\$ 9,231.77	
Sale of unnecessary property.....	5.00	
Interest added to fund.....	6,597.36	15,834.13
		\$ 334,140.67
<b>Expended for renewals—Schedule No. 1.....</b>		<b>113,928.34</b>
Balance in fund February 1, 1920.....		\$ 220,212.33

## EXHIBIT S—SCHEDULE No. 1.

### CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

#### CERTIFICATES FOR RENEWALS

FOR PERIOD FEBRUARY 1, 1919, TO JANUARY 31, 1920

Certificate No.	For Period	Amount
86	February 1, 1919 to February 28, 1919.....	\$ 4,993.25
87	March 1, 1919 to March 31, 1919.....	5,145.67
88	April 1, 1919 to April 30, 1919.....	4,414.84
89	May 1, 1919 to May 31, 1919.....	4,052.23
90	June 1, 1919 to June 30, 1919.....	10,290.32
91	July 1, 1919 to July 31, 1919.....	14,925.50
92	August 1, 1919 to August 31, 1919.....	15,024.10
93	September 1, 1919 to September 30, 1919.....	15,962.34
94	October 1, 1919 to October 31, 1919.....	7,763.90
95	November 1, 1919 to November 30, 1919.....	9,601.57
96	December 1, 1919 to December 31, 1919.....	5,770.50
97	January 1, 1920 to January 31, 1920.....	15,984.12
		\$ 113,928.34
	Reported previous to February 1, 1919.....	756,882.28
		\$ 870,810.62

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT S—SCHEDULE No. 2.  
 CALUMET & SOUTH CHICAGO RAILWAY COMPANY.  
 EXPENDITURES FOR RENEWALS—COSTS AND LOCATIONS.

NOVEMBER 30, 1911 TO JANUARY 31, 1920.

Many of the following are split accounts, i. e., carrying charges to both capital and renewals, but only charges to renewal accounts are shown herein.

	Nov. 30, 1911 to	Jan. 31, 1919	Feb. 1, 1919 to	Jan. 31, 1920	Total
Closed Accounts previously reported.....	\$ 547,449.28				\$ 547,449.28
13015 Overhauling and Painting wk. cars and wagons.....	342.18		446.87		789.05
13045 Elect. wk., 103rd St. E. end of present trks. to Cottage Grove Ave.....			332.33		332.33
13069 Str. and spl. trk. wk. and pvg., 64th St. & I. C. R. R. Sub. at Dorchester Ave.....			7,665.23		7,665.23
13096 Elect. wk. at various locations.....	162.20		235.90		398.10
13097 Elect. wk., 95th St. and Calumet River Bridge.....	354.46		2,013.59		2,368.05
13101 Elect. wk., Exchange Ave. and L. S. & M. S. Ry., S. W. of S. Chicago Ave.....	5.12		319.12		324.24
13103 Elect. wk., various locations.....	54.26	*	2.74		51.52
13106 Renw. of 15 pairs McGuire M. C. B. truck frames on various cars at S. Shops.....	77.59		1,718.01		1,795.60
13108 Renw. of spans, Michigan Ave., 95th to 119th Sts.....	9.20		747.47		756.67
13109 Elect. wk. at various locations.....	494.15		677.18		1,171.33
13111 Str. and spl. trk. wk. and pvg. at Cottage Grove Ave., 114th Pl. to 114th St.....	580.71	*	177.59		403.12
13112 Str. trk. wk. and pvg., S. Chicago Ave., 79th to 89th St.....	611.87		93.74		705.61
13113 Renw. of new steel stack on boiler house Burnside carhouse.....	33.44		317.14		350.58
13114 Elect. wk., 75th St., Eggleston Ave. to Lake Park Ave.....	792.73		150.36		943.09
13120 Spl. trk. wk., 134th St. and I. C. R. R. private R.-W. W. of I. C. R. R.....	168.52		399.96		568.48
13122 Renw. of GE-80 armature shafts at the south shops.....	444.67		6.41		451.08
13124 Partial renw. of store bldg. at 6317 S. Park Ave.....	622.20	*	858.20		236.00
13125 Spl. trk. wk., 67th St. and Cottage Grove Ave.....	1,742.00		437.00		2,179.00
13127 Spl. trk. wk., 73rd St. and Stony Island Ave.....	17.87		1,406.13		1,424.00
13128 Spl. trk. wk., 103rd St. and Michigan Ave.....			444.00		444.00
13129 Elect. wk., 115th St., Halsted St. to S. Park Ave.....			526.74		526.74
13130 Renw. of Spans, 119th St., Halsted St. to Michigan Ave.....			651.33		651.33

# FINANCIAL EXHIBITS

13131	Renw. of Spans on 111th St., Stewart Ave. to I. C. Ry. Sub		464.85
13132	Str. and spl. trk. wk. and pvg., 95th St. through I. C. Sub. at Cottage Grove Ave., Cottage Grove Ave., 95th St. to 981 feet S. of 95th St.		11,420.88
13133	Elect. wk., private R.-W. around N. Y. C. & St. L. Ry. shops		651.81
13134	Elect. wk., 95th St. through I. C. Ry. Sub. at Cottage Grove Ave., Cottage Grove Ave., 95th St. to 981 feet S. of 95th St.		1,011.61
13135	Spl. trk. wk., 75th St. and Coles Ave.		1,324.00
13136	Elect. wk., S. Park Ave. from 63rd St. to S. Chicago Ave.		520.69
13137	Elect. wk., S. Chicago Ave., from 67th St. to 71st St. and on S. Chicago Ave., 75th to 93rd Sts.		4,547.39
13138	Str. trk. wk. and pvg., Stony Island Ave., 79th St. N. of Sub. S. of Sub. to 81st St.		480.26
13139	Renw. of Spans, 73rd St., Stony Island Ave. to Exchange Ave.		615.71
13140	Elect. wk., Exchange Ave., 73rd to 75th Sts.		309.57
13141	Elect. wk., 103rd St., Vincennes to Michigan Aves.		985.23
13142	Elect. wk., Cottage Grove Ave. N. of 72nd to 79th Sts., Cottage Grove Ave. & L. S. Sub. N. of 72nd St.		1,467.59
13143	Elect. wk., 106th St. from Torrence Ave. to Calumet River		386.72
13144	Str. and spl. trk. wk. and pvg., 106th St., Torrence Ave. to W. of Calumet River		12,420.93
13145	Converting two funeral cars into passenger cars at the South Shop		1,362.00
13146	Spl. trk. wk., 95th St. and Commercial Ave.		3,340.00
13147	Spl. trk. wk., 79th St. and Coles Ave.		1,618.86
15004	Depreciation of power plant machinery and equipt. included in primary cost of power.	\$ 203,153.80	
15029	Renw. of spans, South Park Ave. and South Chicago Ave., 63rd to 71st Sts.	1,003.54	
15030	Rehabilitation of 168 GE-80 Motors at South Shops	6.57	1,010.11
15031	Renw. of roofing, Burnside car house, 93rd St. and Drexel Ave.	7,123.28	7,123.28
15038	Renw. of one Reactance for No. 2 Rotary for South Chicago Sub. Sta.	7.61	7.61
15039	Rebuilding transformer for rotary No. 2 at Grand Crossing Sub. Sta.	357.38	364.18
15040	Str. trk. wk., private R.-W. around N. Y. C. & St. L. Shops	966.68	966.68
15041	Str. trk. wk., 95th St. at Calumet River	3,217.39	3,217.39
15042	Str. and spl. trk. wk. at Ewing Ave. car house and 93rd St.	1,389.52	1,389.52
15043	Trk. wk., 111th St. at South Park Ave., and Cottage Grove Ave. at 103rd St.	124.50	124.50
15044	Renw. of skylights and sheet metal wk. at 93rd St. & Drexel Ave. (Burnside car house)	74.25	74.25
		5,412.02	5,412.02
		\$ 756,882.28	\$ 870,810.62

\*Credit.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

EXHIBIT T.

CERTIFICATES ISSUED BY BOARD OF SUPERVISING ENGINEERS COVERING CONSTRUCTION AND REHABILITATION EXPENDITURES MADE BY CALUMET & SOUTH CHICAGO RAILWAY COMPANY.

FEBRUARY 1, 1919 TO JANUARY 31, 1920.

Certificate No.	Date	Amount
257	March 1, 1919.....	\$ 115.00
259	April 1, 1919.....	1,150.00
260	April 16, 1919.....	8,154.10
261	May 1, 1919.....	1,150.00
262	May 20, 1919.....	2,999.65
263	June 1, 1919.....	1,150.00
264	June 17, 1919.....	14,667.74
265	July 1, 1919.....	1,150.00
266	July 17, 1919.....	12,705.11
267	August 1, 1919.....	575.00
268	August 19, 1919.....	10,431.56
269	September 1, 1919.....	1,150.00
270	September 19, 1919.....	7,957.34
271	October 1, 1919.....	11,500.00
272	October 17, 1919.....	16,515.14
273	November 1, 1919.....	1,150.00
274	November 17, 1919.....	34,633.60
275	December 1, 1919.....	1,150.00
276	December 15, 1919.....	27,319.00
277	January 1, 1920.....	1,150.00
278	January 19, 1920.....	17,633.61
279	February 1, 1920.....	11.50
280	February 19, 1920.....	26,700.96
282	March 18, 1920.....	5,688.78
		<hr/>
		\$ 206,808.09
Reported previous to February 1, 1919.....		6,142,013.61
Total.....		\$ 6,348,821.70

EXHIBIT T—SCHEDULE No. 1.  
 CALUMET & SOUTH CHICAGO RAILWAY COMPANY.  
 ADDITIONS TO CAPITAL ACCOUNT—COSTS AND LOCATIONS

FEBRUARY 1, 1908, TO JANUARY 31, 1920

Many of the following are Split Accounts, i. e., carrying charges to both Capital and Renewals, but only charges to Capital Account are shown herein.

	Feb. 1, 1908 to	Feb. 1, 1919 to	Total
	Jan. 31, 1919	Jan. 31, 1920	
Accounts previously reported.....	\$ 4,912,780.50		\$ 4,912,780.50
Pvg. outside of R.-W.....	537.51	26.17	563.68
Engineering and Potential Surveys.....	8,282.79	705.41	8,988.20
City of Chicago—Special Assessments.....	3,155.91	3,018.86	7,074.77
Installation of pressure wires at various locations.....	1,294.26	34.38	1,328.64
Str. and spl. trk. wk. and pvg., 115th St. from S. Park Ave. to Cottage Grove Ave.....	10,771.37	1,467.62	12,238.99
Elect. wk., 115th St. from S. Park Ave to Cottage Grove Ave.....	668.11	305.31	973.42
Spl. trk. wk. at various locations.....	445.09	335.72	780.81
Str. trk. wk., 87th St. from Stony Island Ave. to McFarlane Ave.....		*	17.50
Str. trk. wk. during const. of Calumet Intercepting Sewer.....		*	309.52
Str. and spl. trk. wk. and pvg., Brandon Ave., Burley Ave., 118th St. to Brainard Ave.....	2,692.83		2,692.83
Str. and spl. trk. wk. and pvg., 118th St. from Ewing Ave. to Burley Ave.....	155,283.17	20,738.71	176,021.88
Elect. wk., Ewing Ave. from 108th to 118th Sts.....	28,225.28	815.01	29,040.29
Elect. wk., 118th St., Burley Ave. to Ewing Ave.....	8,925.50	45.80	8,971.30
Elect. wk., Burley and Brandon Aves., 118th St. to Brainard Ave.....	2,567.68	13.60	2,581.28
New and addnl. car destination and route signs.....	14,883.74	337.52	15,221.26
New and addnl. steel racks for storm sash, etc., at Burnside Supply House.....	411.42	120.13	531.55
Str. and spl. trk. wk., 93rd St. at Jeffrey Ave. and 93rd St. and Stony Island Ave.....	939.70	* 56.42	883.28
Elect. wk. on 75th St. from Stony Island to S. Shore Aves.....		1,667.95	1,667.95
Cost of overhauling and painting wk. cars, wagons, etc.....	3,298.54	5.25	3,303.79
Temporary trk. and tools.....	993.57	729.16	1,722.73
Elect. wk., Michigan Ave. from 90th to 119th Sts.....	4,080.81	18.47	4,099.28
	4,755.44	8.75	4,764.19

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

	Feb. 1, 1908 Jan. 31, 1919	Feb. 1, 1919 Jan. 31, 1920	Total
13038 Str. and spl. trk. wk. and pvg., 111th St. from Watt Ave. to Cottage Grove Ave.....	\$ 14,063.49	\$ 37.00	\$ 14,026.49
13039 Str. and spl. trk. wk. and pvg., Cottage Grove Ave., 114th to 115th Sts.	5,977.21	267.74	7,849.18
13045 Elect. wk., 103rd St., E. End of Present trks. to Cottage Grove Ave.	439.07	110.00	171.33
13048 Elect. wk., 111th St., Cottage Grove to Watt Aves.....	3,971.59	6.25	4,081.50
13059 Elect. wk., Stony Island Ave. from 64th to 67th Sts.....	3,673.98	10.57	3,680.23
13068 Str. and spl. trk. wk. and pvg., 79th St., S. Chicago to Saginaw Aves..	72,299.46	4,042.30	72,288.89
13069 Str. and spl. trk. wk. and pvg., 64th St. and I. C. R. Sub. at Dorchester Ave.....	9,883.21	5.25	9,888.46
13073 Elect. wk., 111th St., Stewart to Vincennes Aves.....	46,743.77	1,244.68	47,988.45
13077 Str. and Spl. trk. wk. and pvg., Ewing Ave. from 108th to 118th Sts..	2,338.79	156.12	2,494.91
13094 Elect. wk., Coles Ave., 75th to 79th Sts.....	468.21	5.22	473.43
13096 Elect. wk., Buffalo Ave. & 80th St., Baltimore Ave. & 92nd St. and 93rd St. and Priv. R.-W. East of Vaughan Ave.....	91.85	140.22	232.07
13097 Elect. wk., 95th St. & Calumet River Bridge.....	2,030.34	2,030.34	2,030.34
13098 Elect. wk. at 91st St., So. Chgo. to Baltimore Ave.....	789.84	14.22	775.62
13100 Spl. trk. wk. and pvg., 127th St. and Michigan Ave.....	118.60	118.60	118.60
13101 Elect. wk. on Exchange Ave. and L. S. & M. S. Subway S. W. of So. Chicago Ave.....	703.54	703.54	703.54
13103 Taking care of elect. equipt. during const. of Calumet Intercepting Sewer.....	472.08	47.18	424.90
13107 Spl. trk. wk. at various locations.....	1,707.73	27.54	1,735.27
13108 Elect. wrk., Mich. Ave., 95th to 119th Sts.....	1,373.53	1,373.53	1,373.53
13109 Elect. wrk. on Cott. Grv. Ave., 103rd to 115th Sts. and 95th to 115th Sts.....	1,320.55	3,009.67	4,330.22
13111 Str. and spl. trk. wk. and pvg., Cott. Grv. Ave., 114th Pl. to 114th St.	1,380.78	177.59	1,558.37
13112 Str. trk. wk. and pvg., So. Chgo. Ave., 79th to 89th Sts. a/c sewer const. and St. improvement	2,354.46	21,141.39	23,495.85
13113 Renwl. of New Steel Stack at Boiler House, Burnside Carhouse, 93rd St. & Drexel Ave.....	427.26	427.26	427.26
13114 Elect. wrk., 75th St., Eggleston Ave. to Lake Park Ave.....	136.22	526.44	662.66
13116 Str. trk. wrk., Cott. Grv. Ave., 96th to 115th Sts.....	2,034.83	39.52	2,074.35
13118 Str. trk. wrk., 119th St., Halsted St. to Mich. Ave.....	2,082.83	390.87	2,473.70
13120 Spl. trk. wrk., private R.-W. west of I. C. R. R. at 134th St. and I. C. R. R.....	901.09	901.09	901.09
13123 Str. trk. wrk. and pvg., Exchange Ave. bet. 74th and 75th Sts.....*	31.48	31.60	.21

# FINANCIAL EXHIBITS

13124	Partial renewal of Store Bldg. at 6317 So. Park Ave.....		925.70
13125	Spl. trk. wrk. at 67th St. & Cott. Grv. Ave.....	2,345.15	1,096.93
13126	Elect. wrk., Cott. Grv. Ave. at 67th St.....	63.48	69.68
13127	Spl. trk. wrk., 73rd St. & Stony Isl. Ave.....		72.44
13128	Spl. trk. wrk., 103rd St. & Michigan Ave.....		135.07
13129	Elect. wrk., 115th St., Halsted St. to South Park Ave.....		219.25
13130	Renewal of Spans, 119th St., Halsted St. to Michigan Ave.....		255.36
13131	Renwl. of spans, 111th St., Stewart Ave. to I. C. Ry. Subway.....		25.89
13132	Str. and spl. trk. wrk. and pvg. 95th St. through I. C. Sub. at Cott. Grv. Ave., Cott. Grv. Ave., 95th St. to 981 feet So. of 95th St.....		78,718.25
13133	Elect. wrk., private R.-W. around N. Y. C. & St. L. Ry. Shops.....		737.75
13134	Elect. wrk., 95th St. through I. C. Ry. Subway at Cott. Grv. Ave., Cott. Grv. Ave., 95th St. to 981 feet So. of 95th St.....		737.75
13135	Spl. trk. wrk., 75th St. & Coles Ave.....		3,215.18
13136	Elect. wrk., So. Park Ave., 63rd St. to So. Chgo. Ave.....		2,722.10
13137	Elect. wrk., So. Chgo. Ave., 67th to 71st Sts. and 75th to 93rd Sts....		331.26
13138	Str. trk. wrk. and pvg., Stony Isl. Ave., 79th St. to N. of Subway So. of Subway to 81st St.....		1,006.37
13139	Renwl. of Spans on 73rd St., Stony Island to Exchange Aves.....		2,252.02
13140	Elect. wrk., Exchange Ave., 73rd to 75th Sts.....		611.54
13141	Elect. wrk., 103rd St., Vincennes Ave. to Mich. Ave.....		345.98
13142	Elect. wrk., Cott. Grv. Ave. No. of 72nd to 79th Sts., Cott. Grv. Ave. & L. S. Subway No. of 72nd St.....		298.72
13143	Elect. Wrk., 106th St., Torrence Ave. to Calumet River a/c of Street Improvement.....		1,742.02
13144	Str. and spl. trk. wrk. & pvg., 106th St. from Torrence Ave. to W. of Calumet River.....		963.15
13145	Converting Two Funeral Cars into Pass. Cars at South Shops.....		13,565.18
13146	Partial renwl. of Isolated Spl. Wrk., 95th St. & Commercial Ave.....		2,027.76
	Total Expenditures.....	\$ 5,331,438.70	\$ 5,311,271.82
	Add 15% for conducting work, furnishing equipment and procuring funds.....	810,574.91	837,549.88
	<b>*Credit.</b>	\$ 6,142,013.61	\$ 6,348,821.70



EXHIBIT U.  
STATEMENT OF EXPENSES OF THE BOARD OF SUPERVISING ENGINEERS.  
CHICAGO TRACTION.

FOR THE YEAR ENDED JANUARY 31, 1920.

BOARD OR DIVISION	POSITION	TERMS OF PAYMENT	
Board No. 1 (Chicago City Ry. Co., Chicago Railways Co., The Southern Street Railway Co.)..	Chairman.....	\$15,000.00 per annum per Section 34 of ordinance	14,941.67
	Member representing City of Chicago.....	\$100.00 per day, minimum \$3,600.00, maximum \$10,000.00:	
	Salary.....		8,520.00
	Expenses.....		2,980.92
	Member representing Chicago City Ry. and Southern Street Ry. Co.....	\$100.00 per day, minimum \$3,600.00, maximum \$10,000.00.....	
Board No. 2 (Calumet & South Chicago Railway Co.).....	Member, representing Chicago Railways Co.....	\$100.00 per day, minimum \$3,600.00, maximum \$10,000.00.....	8,400.00
	Chairman.....	\$100.00 per day, minimum \$2,500.00 maximum \$5,000.00.....	\$ 43,242.59
	Member, representing City of Chicago.....	\$100.00 per day, minimum \$1,500.00, maximum \$3,500.00.....	4,475.00
	Member, representing Calumet & South Chicago Ry. Co.....	\$100.00 per day, minimum \$1,500.00, maximum \$3,500.00.....	2,580.00
Secretary Boards No. 1 and No. 2.....			\$ 8,780.00
			\$ 6,000.00
Engineering, Inspection and Clerical.....	Principal Assistant Engineer.....		\$ 5,000.00
	Assistant Engineers.....		11,098.01
	Draftsmen.....		780.00
	Clerks and Inspectors.....		7,763.06
	Traffic.....		2,1773.25
			\$ 27,414.32

FINANCIAL EXHIBITS

EXHIBIT U—Continued.  
STATEMENT OF EXPENSES OF THE BOARD OF SUPERVISING ENGINEERS,  
CHICAGO TRACTION.

FOR THE YEAR ENDED JANUARY 31, 1920.

BOARD OR DIVISION	POSITION	TERMS OF PAYMENT
Division of Accounts.....	{ Auditor.....	\$ 4,400.00
	{ Assistants.....	11,203.47
		<u>\$ 15,603.47</u>
Stenographers and General Office Clerks.....		\$ 11,271.64
General Expenses (Includes \$7,510.00 for rent).....		9,014.96
Office Supplies and Expenses.....		3,669.21
Equipment.....		* 42.91
Outside Services.....		118.75
	Amount expended in 1919.....	\$ 125,072.03
	Amount expended previous to February 1, 1919.....	2,155,431.23
	Total expended for thirteen years, ended February 1, 1920.....	<u>\$2,280,503.26</u>

SUMMARY OF RECEIPTS AND DISBURSEMENTS.

Cash contributed by Chicago City Railway Co.....	\$ 599,100.00
Cash contributed by Chicago Railways Co.....	791,400.00
Cash contributed by Calumet & South Chicago Railway Co.....	106,625.00
Cash contributed by Southern Street Railway Co.....	12,000.00
Cash contributed by Chicago Surface Lines.....	855,000.00
Petit Cash.....	200.00
Interest on Deposits.....	2,351.82
Cash expended as above.....	\$2,280,503.26
Cash in bank.....	15,973.56
Cash on hand.....	200.00
	<u>\$2,296,676.82</u>

\*Credits.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

## EXHIBIT V. CUMULATIVE FISCAL STATEMENT. ALL RAILWAY OPERATIONS FROM FEBRUARY 1, 1907.

VALUE OF PROPERTIES: As valued by T. V. C. Com- mission.....	C.C.Ry.Co.	C.Rys.Co.	C.&S.C.Ry.Co. So.St.Ry.Co.	C.Sur.Lines	All Companies
To January 31, 1907.....	\$ 21,000,000.00	\$ 20,000,000.00	\$ 5,000,000.00	\$ 775,000.00	\$ 55,775,000.00
To January 31, 1908.....	22,816,853.19	30,779,874.04	.....	.....	53,596,728.13
To January 31, 1909.....	29,052,145.63	32,589,047.02	.....	.....	61,641,192.65
To January 31, 1910.....	36,170,482.56	39,007,352.76	5,311,908.45	.....	80,491,743.77
To January 31, 1911.....	38,507,294.18	51,851,308.97	6,931,278.82	1,240,095.99	98,529,977.96
To January 31, 1912.....	41,000,243.27	68,226,611.76	7,888,012.75	1,510,903.72	118,625,831.50
To January 31, 1913.....	42,897,477.99	74,110,203.06	8,914,566.78	1,570,149.64	127,492,398.37
To January 31, 1914.....	45,467,703.57	77,488,460.68	9,192,582.59	1,691,643.67	133,770,390.51
To January 31, 1915.....	47,486,139.81	80,975,950.53	9,320,305.15	1,640,127.50	139,916,582.99
To January 31, 1916.....	49,731,540.51	83,757,957.11	10,116,465.94	1,643,261.68	145,249,165.28
To January 31, 1917.....	49,784,995.18	84,876,759.10	10,298.5	1,679,921.32	146,640,243.94
To January 31, 1918.....	51,000,504.68	86,697,582.63	10,573,623.55	1,682,835.29	149,954,540.15
To January 31, 1919.....	52,150,313.66	88,779,498.52	10,885,514.58	1,690,154.40	153,505,481.16
To January 31, 1920.....	53,741,633.76	90,587,640.61	11,142,013.61	1,693,619.91	157,104,907.89
	54,442,498.82	91,041,852.13	11,348,821.70	1,795,250.35	158,538,423.00

### TOTAL INCOME:

Year ended January 31, 1908.....	8,215,106.49	10,607,897.82	.....	.....	18,823,004.31
To January 31, 1909.....	16,758,477.07	21,644,968.98	839,296.19	.....	39,242,742.24
To January 31, 1910.....	26,267,209.92	34,087,851.30	1,720,473.66	.....	62,075,624.88
To January 31, 1911.....	36,372,743.59	48,152,500.36	2,795,950.82	.....	87,231,234.77
To January 31, 1912.....	47,084,220.17	65,309,056.21	3,726,866.32	.....	116,130,142.70
To January 31, 1913.....	58,328,201.30	83,385,833.24	4,875,210.49	.....	146,589,254.12
To January 31, 1914.....	70,063,644.48	103,600,548.77	6,183,714.82	.....	179,307,968.07
To January 31, 1915.....	70,052,881.71	103,106,541.50	6,183,714.82	\$ 31,906,048.55	171,309,186.58
To January 31, 1916.....	70,052,885.67	103,111,413.57	6,183,714.82	63,656,810.19	243,004,824.25
To January 31, 1917.....	70,157,347.65	103,114,000.13	6,183,714.82	98,446,446.25	277,801,508.85
To January 31, 1918.....	70,057,459.45	103,114,151.63	6,183,714.82	133,591,079.33	312,916,495.23
To January 31, 1919.....	70,057,459.45	103,114,211.48	6,183,714.82	168,271,177.32	347,626,563.07
To January 31, 1920.....	70,057,459.45	103,114,148.37	6,183,714.82	212,234,615.63	391,589,938.27

### TAXES:

Year ended January 31, 1908.....	240,000.00	199,305.53	.....	.....	439,305.53
To January 31, 1909.....	697,108.25	571,260.69	8,597.40	.....	1,276,966.34

# FINANCIAL EXHIBITS

To January 31, 1910.....	1,222,108.25	16,197.40	.....	2,421,743.27
To January 31, 1911.....	1,552,266.97	39,642.40	.....	3,438,753.01
To January 31, 1912.....	2,036,204.01	72,855.13	.....	4,811,293.32
To January 31, 1913.....	2,596,169.96	120,438.11	.....	6,095,800.81
To January 31, 1914.....	3,147,679.96	167,535.11	.....	7,597,567.38
To January 31, 1915.....	3,353,892.92	167,535.11	1,439,278.88	9,106,059.22
To January 31, 1916.....	3,354,525.95	167,535.11	3,248,215.82	10,069,133.38
To January 31, 1917.....	3,354,525.95	167,535.11	4,657,672.41	12,378,589.97
To January 31, 1918.....	3,354,525.95	167,535.11	6,150,672.41	13,871,589.97
To January 31, 1919.....	3,506,550.40	167,535.11	7,610,672.41	15,513,614.42
To January 31, 1920.....	3,525,100.07	167,535.11	9,684,672.41	17,598,448.58

**CITY'S SHARE—55 PER CENT:\*\***

Year ended January 31, 1908.	888,915.71	.....	.....	1,564,618.47
To January 31, 1909.....	1,198,200.39	.....	.....	2,951,496.43
To January 31, 1910.....	1,673,112.61	2,534,636.47	.....	4,227,749.08
To January 31, 1911.....	2,634,027.85	3,299,271.53	.....	5,933,209.38
To January 31, 1912.....	3,683,020.36	4,121,178.02	.....	7,804,207.38
To January 31, 1913.....	4,799,617.76	5,534,582.28	.....	10,334,200.04
To January 31, 1914.....	5,946,188.41	7,390,464.79	.....	13,336,653.20
To January 31, 1915.....	6,819,570.01	9,075,466.82	.....	15,895,036.83
To January 31, 1916.....	7,367,764.42	10,192,982.75	.....	17,500,747.17
To January 31, 1917.....	8,345,293.32	11,962,442.84	.....	20,307,736.16
To January 31, 1918.....	9,050,265.73	13,204,224.41	.....	22,344,490.14
To January 31, 1919.....	9,056,123.69	13,671,581.94	.....	23,727,795.63
To January 31, 1920.....	9,499,712.37	14,676,841.11	.....	24,176,553.48

**TOTAL, CITY'S SHARE AND TAXES:\*\***

Year ended January 31, 1908.	915,792.76	.....	.....	2,003,924.00
To January 31, 1909.....	1,895,398.64	2,324,466.73	8,597.40	4,228,462.77
To January 31, 1910.....	2,895,220.86	3,738,074.09	16,197.40	6,649,492.35
To January 31, 1911.....	4,186,294.82	5,146,115.17	39,642.40	9,372,052.39
To January 31, 1912.....	5,719,233.37	6,823,412.20	72,855.13	12,615,500.70

\*Includes The Southern Street Railway Company.

\*\*Up to the end of the fiscal year 1913, the Calumet and South Chicago Railway Company and the Calumet and South Chicago Railway Company for this year.

tion, the "present worth" of which was \$393,487.74. The Unification Ordinance provided for the payment of that amount to the Calumet Company by the city out of its 55% received from the Chicago Railways and Chicago City Railway Companies. The above mentioned amount, however, has been regarded as an expenditure out of the City's 55% and has not been deducted from the cumulative totals under all companies under the foregoing headings: "City's Share—55%", and "Total, City's Share and Taxes" beginning with the fiscal year 1913.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

## CUMULATIVE FISCAL STATEMENT—Continued. ALL RAILWAY OPERATIONS FROM FEBRUARY 1, 1907.

TOTAL, CITY'S SHARE AND TAXES —Continued.		C. C. Ry. Co.	C. Rys. Co.	C. & S. C. Ry. Co. So. St. Ry. Co.	C. Sur. Lines	All Companies
To January 31, 1913.....	\$ 7,395,787.72	\$ 8,913,775.02	\$ 120,438.11	.....	.....	\$ 16,430,000.85
To January 31, 1914.....	9,093,868.37	11,582,817.10	167,535.11	.....	.....	20,844,220.58
To January 31, 1915.....	10,173,462.93	13,274,819.13	167,535.11	.....	\$ 1,439,278.88	25,055,096.05
To January 31, 1916.....	110,722,290.37	14,301,830.25	167,535.11	.....	3,248,215.82	28,520,880.55
To January 31, 1917.....	111,699,819.37	16,161,299.34	167,535.11	.....	4,657,672.41	32,686,326.13
To January 31, 1918.....	12,404,791.68	17,493,080.91	167,535.11	.....	6,150,672.41	36,216,080.11
To January 31, 1919.....	12,562,674.09	17,900,438.44	167,535.11	.....	7,610,672.41	38,241,320.05
To January 31, 1920.....	13,024,812.44	18,897,982.10	167,535.11	.....	9,684,672.41	41,775,002.00
<b>FIVE PER CENT INTEREST ON INVESTMENT:</b>						
Year ended January 31, 1908.....	1,236,008.47	1,566,158.96	.....	.....	.....	2,802,167.43
To January 31, 1909.....	2,848,833.32	3,305,843.35	254,937.54	.....	.....	6,408,714.21
To January 31, 1910.....	4,713,734.59	5,581,501.82	546,226.25	\$ 47,425.02	.....	10,868,947.68
To January 31, 1911.....	6,779,734.41	8,447,092.62	917,777.51	47,425.02	.....	16,192,029.56
To January 31, 1912.....	8,945,091.96	11,096,110.77	1,333,484.19	47,425.02	.....	22,322,111.04
To January 31, 1913.....	11,241,217.16	15,774,500.00	1,783,957.23	47,425.02	.....	28,847,959.41
To January 31, 1914.....	13,028,055.64	19,703,139.94	2,256,352.40	47,425.02	.....	35,034,973.00
To January 31, 1915.....	*16,127,043.34	23,819,002.21	2,753,875.15	47,425.02	.....	42,748,245.72
To January 31, 1916.....	*18,716,314.99	28,050,877.09	3,264,142.90	47,425.02	.....	50,078,759.70
To January 31, 1917.....	*21,358,566.10	32,370,660.51	3,783,011.63	47,425.02	.....	57,559,663.26
To January 31, 1918.....	*24,066,291.64	36,788,796.29	4,318,693.00	47,425.02	.....	65,221,205.95
To January 31, 1919.....	*26,819,530.30	41,299,757.04	4,866,007.82	47,425.02	.....	73,023,786.24
To January 31, 1920.....	*29,610,223.48	45,832,206.45	5,427,127.55	47,425.02	.....	80,917,072.50
<b>COMPANY'S SHARE, 45 PER CENT:</b>						
Year ended January 31, 1908.....	552,847.72	727,204.68	.....	.....	.....	1,280,142.40
To January 31, 1909.....	980,419.42	1,434,441.31	2,248.68	.....	.....	2,412,612.05
To January 31, 1910.....	1,308,910.33	2,090,157.11	39,084.15	77,007.44	.....	3,505,990.73
To January 31, 1911.....	2,155,113.71	2,699,403.97	105,092.26	77,007.44	.....	4,825,532.86
To January 31, 1912.....	3,013,387.67	3,371,872.92	212,409.16	77,007.44	.....	6,249,858.87
To January 31, 1913.....	3,926,960.00	4,528,294.60	274,489.08	77,007.44	.....	8,257,772.96
To January 31, 1914.....	4,865,063.27	6,046,743.93	33,814.66	77,007.44	.....	10,974,999.98

# FINANCIAL EXHIBITS

To January 31, 1915.....	5,570,648.21	7,435,381.96	77,007.44	13,082,037.61
To January 31, 1916.....	† 6,028,170.91	8,339,713.17	77,007.44	14,444,801.52
To January 31, 1917.....	† 6,827,907.28	9,787,453.25	77,007.44	16,092,427.97
To January 31, 1918.....	† 7,404,762.88	10,877,092.72	77,007.44	18,358,863.04
To January 31, 1919.....	† 7,409,555.76	11,165,839.77	77,007.44	18,072,402.97
To January 31, 1920.....	† 7,772,491.95	12,008,324.55	77,007.44	19,857,823.94
<b>COMPANY'S SHARE AND INTEREST:</b>				
Year ended January 31, 1908.	1,788,856.19	2,203,453.64	.....	4,082,309.83
To January 31, 1909.....	3,820,252.74	4,740,284.66	.....	8,821,326.26
To January 31, 1910.....	6,082,644.92	7,071,718.93	251,788.86	14,394,938.41
To January 31, 1911.....	8,934,848.12	11,146,406.59	510,142.10	21,017,562.42
To January 31, 1912.....	11,958,479.63	15,367,083.69	1,121,975.03	28,571,970.81
To January 31, 1913.....	15,168,177.10	20,302,854.60	1,599,368.15	37,104,832.37
To January 31, 1914.....	18,493,118.91	25,749,883.87	2,242,537.74	46,000,072.08
To January 31, 1915.....	21,706,691.55	31,245,284.17	2,753,875.15	55,830,283.33
To January 31, 1916.....	24,784,485.60	36,390,590.26	3,204,142.90	64,523,651.22
To January 31, 1917.....	28,186,533.38	42,158,113.76	3,783,011.63	74,252,091.23
To January 31, 1918.....	31,471,054.52	47,665,889.01	4,318,693.00	83,580,068.99
To January 31, 1919.....	34,229,086.12	52,476,596.81	4,866,067.82	91,996,183.21
To January 31, 1920.....	37,382,715.43	57,840,621.00	5,427,127.55	100,774,896.44

**10% ALLOWANCE ON CONSTRUCTION WORK:**

Year ended January 31, 1908.	516,514.06	132,382.08	.....	648,896.14
To January 31, 1909.....	1,115,955.79	669,172.28	27,108.73	1,812,236.80
To January 31, 1910.....	1,307,103.31	1,748,562.55	174,270.64	3,270,388.62
To January 31, 1911.....	1,519,061.24	3,153,388.26	237,581.74	4,994,028.07
To January 31, 1912.....	1,715,216.09	3,664,988.25	347,208.38	5,795,939.27
To January 31, 1913.....	1,880,366.07	3,987,263.40	371,383.67	6,320,057.44
To January 31, 1914.....	2,050,226.44	4,277,976.61	425,973.47	6,828,855.14
To January 31, 1915.....	2,258,121.41	4,522,049.24	451,200.01	7,306,324.34
To January 31, 1916.....	2,263,746.59	4,633,024.21	467,040.22	7,442,343.87
To January 31, 1917.....	2,356,304.54	4,780,958.72	490,958.05	7,706,197.54
To January 31, 1918.....	2,431,837.56	4,924,419.34	518,079.01	7,953,758.58
To January 31, 1919.....	2,553,334.78	5,056,331.46	540,383.27	8,229,773.53
To January 31, 1920.....	2,621,970.16	5,107,354.73	558,366.58	8,368,426.85

\*Includes The Southern Street Railway Company.  
 †Includes The Southern Street Railway Company and the Calumet and South Chicago Railway Company for this year.  
 ‡Deficit.

THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

CUMULATIVE FISCAL STATEMENT—Continued.  
ALL RAILWAY OPERATIONS FROM FEBRUARY 1, 1907.

COMPANY'S SHARE + INTEREST, + CONSTRUCTION ALLOWANCE:	C.C.Ry.Co.	C.Rys.Co.	C.&S.C.Ry.Co.	So.St.Ry.Co.	C.Sur.Lines	All Companies
Year ended January 31, 1908.	\$ 2,305,370.25	\$ 2,435,835.72	\$ 278,897.59	.....	.....	\$ 4,731,205.07
To January 31, 1909.	4,945,208.53	5,469,456.94	690,421.74	\$ 164,875.58	.....	10,033,563.60
To January 31, 1910.	7,389,748.23	9,420,281.48	1,069,366.99	188,429.29	.....	17,665,327.03
To January 31, 1911.	10,453,999.36	14,299,884.85	1,468,283.41	192,959.01	.....	26,011,590.49
To January 31, 1912.	13,673,695.72	19,032,971.94	1,880,751.82	199,117.08	.....	34,307,910.08
To January 31, 1913.	17,057,483.23	24,209,118.00	2,668,511.21	199,386.14	.....	43,425,789.81
To January 31, 1914.	20,543,345.35	30,027,854.48	3,295,975.16	202,965.31	.....	53,438,828.12
To January 31, 1915.	23,964,812.96	35,707,333.41	3,731,183.12	203,218.69	.....	63,136,607.07
To January 31, 1916.	27,008,232.19	41,023,614.47	4,273,969.68	203,218.69	.....	71,965,995.09
To January 31, 1917.	30,542,837.92	46,938,172.48	4,830,772.01	204,156.48	.....	81,958,198.77
To January 31, 1918.	33,902,892.08	52,159,308.35	5,456,451.09	205,167.84	.....	91,533,827.57
To January 31, 1919.	36,782,420.90	57,532,928.27	5,985,494.13	.....	.....	99,925,956.74
To January 31, 1920.	40,004,685.59	62,947,975.73	.....	.....	.....	109,143,323.29

FINANCIAL EXHIBITS

EXHIBIT W.  
COMPARATIVE ANNUAL FINANCIAL AND OPERATING STATEMENT.  
COMBINED JOINT ACCOUNT.

Fiscal Year	1914	1915	1916	1917	1918	1919
<b>CAPITAL ACCOUNT:</b>						
Value of properties (Feb. 1st)....	\$139,916.582.99	\$145,249,165.28	\$146,640,243.94	\$149,954,546.15	\$153,595,481.16	\$157,164,907.89
Additions to capital during year.	5,332,582.29	1,391,078.66	3,314,322.21	3,550,935.01	3,659,426.73	1,373,515.11
Total capital at end of fiscal year	\$145,249,165.28	\$146,640,243.94	\$149,954,546.15	\$153,595,481.16	\$157,164,907.89	\$158,538,423.00
<b>INCOME ACCOUNT:</b>						
Gross earnings from operation (a)	\$31,656,677.01	\$31,414,296.84	\$34,479,658.76	\$34,867,533.50	\$34,266,249.42	\$43,675,808.51
Receipts from other sources.....	344,601.50	281,340.83	317,025.84	307,362.88	593,908.42	287,566.60
Gross receipts (total income)....	\$32,001,278.51	\$31,695,637.67	\$34,796,684.60	\$35,174,896.38	\$34,710,157.84	\$43,963,375.20
<b>EXPENSES:</b>						
Maintenance, way and structures	\$ 931,497.85	\$ 973,086.26	\$ 941,558.87	\$ 1,174,069.72	\$ 1,135,568.33	\$ 1,991,809.80
Maintenance, equipment.....	1,533,155.95	1,677,579.56	1,754,003.06	1,759,293.44	2,400,827.44	3,037,446.35
Renovals.....	2,500,102.29	2,535,651.02	2,783,734.77	2,835,657.34	2,776,812.63	3,009,190.87
Operation of power plants and purchased power.....	2,781,906.67	2,779,717.60	2,728,261.10	2,839,777.89	3,115,081.83	3,289,229.08
Operation of cars.....	8,786,523.45	9,376,311.26	10,979,620.95	10,802,069.77	12,477,147.64	16,633,324.05
General expenses.....	660,991.90	835,400.21	923,686.38	1,006,042.18	1,131,777.82	1,443,032.20
Damages and legal expense.....	1,300,935.48	1,305,439.21	1,634,150.30	1,709,312.01	1,522,646.02	1,918,574.06
Miscellaneous a/c other income..	28,883.76	44,219.16	66,783.58	8,941.95	8,941.95	8,373.55
Taxes.....	1,652,491.84	1,809,074.16	1,409,456.59	1,582,088.47	1,642,024.45	2,084,834.16
Total expenses.....	\$20,236,399.19	\$21,336,559.44	\$22,321,255.60	\$23,750,164.64	\$26,210,828.11	\$33,435,814.12
<b>NET RECEIPTS.....</b>	<b>\$11,764,879.32</b>	<b>\$10,359,078.23</b>	<b>\$12,475,429.00</b>	<b>\$11,364,731.74</b>	<b>\$8,499,329.73</b>	<b>\$10,537,561.08</b>
Interest on capital (5%).....	7,113,272.72	7,330,513.98	7,480,993.56	7,861,542.69	7,802,574.29	7,893,292.26
Divisible net receipts.....	4,651,606.60	3,928,564.25	4,994,525.44	3,703,189.05	606,755.44	2,634,268.82
City's share (55%).....	2,558,383.63	1,665,710.34	2,746,968.99	2,036,753.98	383,215.49	1,448,847.85
Companies share (45%).....	2,093,222.97	1,302,853.91	2,247,536.45	1,666,435.07	313,539.95	1,185,420.97

(a) Includes only receipts from all cars operated and from advertising.





**PART III**  
**REPORT OF ENGINEERING DEPARTMENT**  
**CHAPTER IV**



## CHAPTER IV.

### ENGINEERING DEPARTMENT.

This chapter will outline in general a resume of the work performed during the year by the various branches of the Engineering Department and includes statistics and illustrations of the result of work in connection with track, buildings, cars, electrolysis, sub-stations, etc. There is included a synopsis of street railway work made necessary by public improvements or contemplated in the near future in connection with plans of the Chicago City Plan Commission. Most of the street railway work during the year in connection with public improvements was the track work necessary because of the new Union Station, which is briefly referred to on the closing pages in this report.

*Track.*—The summaries and statements of track mileage are compiled in conformity with the official chainage records made by the Board (see Sixth Annual Report, page 392).

At the close of this fiscal year, January 31, 1920, there were 989.26 miles of track available for revenue operation, a decrease of 0.81 miles from that of the previous year. This decrease is only temporary and is due principally to changes in the construction conditions at the Lawrence avenue bridge, Franklin and Orleans bridge, and certain locations where track work is being done in connection with the building of the new Union Station. In all these cases track formerly classed as "Revenue Track Operated" has been temporarily removed since the report of last year. On Table 1 is shown the miles of single track owned and that which is operable as revenue track.

A summary of extension mileage classified as to trackage built and purchased since 1907 is shown on Table 2.

Tables 3 to 5, inclusive, present by companies the distribution of the tangent track and special work mileage into revenue, service and isolated.

At the close of the fiscal year only 9.2% of the original T. V. C.\* track, including mileage purchased by the companies, remained. Semi-rehabilitated track, on which work has been done for the purpose of obtaining the maximum life of rail, is included in this percentage.

Table 6 presents a summary of track extension and reconstruction by companies, and shows the amount of the new and reconstructed track as compared to the total track, also the percent of the T. V. C. remaining.

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\*T. V. C. refers to the property included in valuations made by the various Traction Valuation Commissions.

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

The location of the various kinds of track in place, such as rehabilitated or reconstructed track, new track extension, remaining T. V. C. track, etc., is shown on the frontispiece map of this report.

**TABLE No. 1.**  
**TRACK MILEAGE SUMMARY BY FISCAL YEARS.**

	1914	1915	1916	1917	1918	1919
*Total Single Track Owned.	1,003.02	1,020.96	1,049.10	1,053.46	1,058.95	**1,058.87
†Revenue Track Operated..	927.22	949.31	977.80	983.32	990.07	989.26

The above table includes all the years of unified operation by the Chicago Surface Lines under the provisions of the Unification Ordinance. For previous years, see previous reports.

\*Includes non-franchise track on C. & S. C. Ry. Co.

†"Revenue Track Operated" includes revenue track on private right of way and new track constructed but not put in operation by the end of the various fiscal years.

\*\*The above total represents track actually in the ground as of 1-31-20. At several locations tracks were in course of reconstruction at that particular date, and were either temporarily out or were replaced by temporary track of a different length from the regular track. To get what the actual mileage would be, except for this unfinished work, the above total mileage should be increased by 0.61 mile, resulting in a total of 1,059.48 miles.

**TABLE No. 2.**  
**EXTENSION MILEAGE SUMMARY**

Fiscal Year	Built	Purchased	Total
1907.....	1.6	.....	1.6
1908.....	8.9	.....	8.9
1909.....	19.6	.....	19.6
1910.....	25.4	129.8	155.2
1911.....	20.9	.....	20.9
1912.....	28.4	23.8	52.2
1913.....	25.7	.....	25.7
1914.....	20.3	1.6	21.9
1915.....	21.2	.....	21.2
1916.....	25.2	3.3	28.5
1917.....	5.7	.....	5.7
1918.....	7.2	.....	7.2
1919.....	1.3	.....	1.3
Total.....	211.4	158.5	369.9

NOTE.—The above is extension mileage only, without any deductions for abandonment. It does not contain the increase in mileage caused when a piece of special work is replaced by another containing more or longer curves.

## ENGINEERING DEPARTMENT

TABLE No. 3.

**SUMMARY OF TANGENT TRACK AND SPECIAL WORK MILEAGE OF ALL COMPANIES AS OF JANUARY 31, 1920.**

All Tangent Track and Special Work	C.Rys. Co.	C.C. Ry.Co.	C.&S.C. Ry.Co.	S.S. Ry.Co.	Joint	Total
Revenue on streets.....	543.96	298.67	118.92	17.23	5.71	984.49
Revenue on P. R. of W. ....	2.59	0.74	1.42	.....	0.02	4.77
†Service on streets.....	2.70	4.62	1.13	.....	.....	8.45
†Service on P. R. of W. ....	29.49	25.53	2.44	.....	.....	57.46
*Isolated on streets.....	1.13	0.08	1.19	.....	.....	2.40
*Isolated on P. R. of W. ....	0.38	0.42	.....	.....	.....	0.80
<b>Totals.....</b>	<b>580.25</b>	<b>330.06</b>	<b>125.10</b>	<b>17.23</b>	<b>5.73</b>	<b>1,058.37</b>
<b>Non-Franchise.....</b>	<b>.....</b>	<b>.....</b>	<b>0.50</b>	<b>.....</b>	<b>.....</b>	<b>0.50</b>
<b>Grand Totals.....</b>	<b>580.25</b>	<b>330.06</b>	<b>125.60</b>	<b>17.23</b>	<b>5.73</b>	<b>**1,058.87</b>

†Service track represents non-revenue track used for shifting cars at car houses and yards, for work cars, etc.

\*Isolated track is at present disconnected and inoperative.

\*\*The above total represents track actually in the ground as of 1-31-20. At several locations tracks were in course of reconstruction at that particular date, and were either temporarily out or were replaced by temporary track of a different length from the regular track. To get what the actual mileage would be, except for this unfinished work, the above total mileage should be increased by 0.61 mile, resulting in a total of 1,059.48 miles.

TABLE No. 4.

**SUMMARY OF TANGENT TRACK MILEAGE OF ALL COMPANIES,  
AS OF JANUARY 31, 1920.**

All Tangent Track	C.Rys. Co.	C.C. Ry.Co.	C.&S.C. Ry.Co.	S.S. Ry.Co.	Joint	Total
Revenue on streets.....	494.34	273.99	109.51	16.25	1.89	895.98
Revenue on P. R. of W. ....	1.95	0.42	1.05	.....	.....	3.42
Service on streets.....	0.46	1.68	0.53	.....	.....	2.67
Service on P. R. of W. ....	26.30	23.33	2.11	.....	.....	51.74
Isolated on streets.....	1.01	0.02	1.06	.....	.....	2.09
Isolated on P. R. of W. ....	0.35	0.42	.....	.....	.....	0.77
<b>Totals.....</b>	<b>524.41</b>	<b>299.86</b>	<b>114.26</b>	<b>16.25</b>	<b>1.89</b>	<b>956.67</b>
<b>Non-Franchise.....</b>	<b>.....</b>	<b>.....</b>	<b>0.46</b>	<b>.....</b>	<b>.....</b>	<b>0.46</b>
<b>Grand Totals.....</b>	<b>524.41</b>	<b>299.86</b>	<b>114.72</b>	<b>16.25</b>	<b>1.89</b>	<b>957.13</b>

# THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

**TABLE No. 5.**  
**SUMMARY OF SPECIAL WORK MILEAGE OF ALL COMPANIES,**  
**AS OF JANUARY 31, 1920.**

All Special Work	C.Rys. Co.	C.C. Ry.Co.	C.&S.C. Ry.Co.	S.S. Ry.Co.	Joint	Total
Revenue on streets.....	49.62	24.68	9.41	0.98	3.82	88.51
Revenue on P. R. of W.....	0.64	0.32	0.37	.....	0.02	1.35
Service on streets.....	2.24	2.04	0.60	.....	.....	5.78
Service on P. R. of W.....	3.19	2.20	0.33	.....	.....	5.72
Isolated on streets.....	0.12	0.06	0.13	.....	.....	0.31
Isolated on P. R. of W.....	0.03	.....	.....	.....	.....	0.03
<b>Totals.....</b>	<b>55.84</b>	<b>30.20</b>	<b>10.84</b>	<b>0.98</b>	<b>3.84</b>	<b>101.70</b>
Non-Franchise.....	.....	.....	0.04	.....	.....	0.04
<b>Grand Totals.....</b>	<b>55.84</b>	<b>30.20</b>	<b>10.88</b>	<b>0.98</b>	<b>3.84</b>	<b>101.74</b>

**TABLE No. 6.**  
**SUMMARY OF REVENUE AND NON-REVENUE TRACK EXTENSION**  
**AND RECONSTRUCTION SHOWING TANGENT TRACK AND**  
**SPECIAL WORK IN PLACE AS OF JANUARY 31, 1920.**

YEAR LAID	Chicago Rys. Co. Mileage	Chicago City Ry. Co. Mileage	Calumet & So. Chicago Ry. Co. Mileage	Southern St. Ry. Co. Mileage	Joint Mileage	Total Mileage all Companies
1907.....	22.00	30.05	.....	.....	.....	52.05
1908.....	51.08	63.78	3.17	.....	0.39	118.42
1909.....	118.22	16.26	22.34	7.62	0.63	165.07
1910.....	74.85	20.60	15.80	3.14	1.51	115.90
1911.....	79.89	36.09	22.26	1.40	1.98	141.62
1912.....	35.92	17.41	6.21	1.45	0.09	61.08
1913.....	48.80	26.44	15.48	.....	0.49	91.21
1914.....	37.22	21.67	3.87	.....	0.32	63.08
1915.....	28.39	15.57	3.96	1.77	0.23	49.92
1916.....	26.28	18.75	6.26	0.03	.....	51.32
1917.....	15.28	9.11	5.86	.....	0.03	30.28
1918.....	4.84	5.11	3.43	.....	.....	13.38
1919.....	3.74	3.05	1.37	0.02	0.05	8.23
<b>Total Reconstruction and Extension.....</b>	<b>546.51</b>	<b>283.89</b>	<b>110.01</b>	<b>15.43</b>	<b>5.72</b>	<b>961.56</b>
<b>Remaining Unrehabilitated Track (TVC)</b>	<b>33.74</b>	<b>46.17</b>	<b>*15.59</b>	<b>1.80</b>	<b>0.01</b>	<b>* 97.31</b>
<b>Total Track.....</b>	<b>580.25</b>	<b>330.06</b>	<b>*125.60</b>	<b>17.23</b>	<b>5.73</b>	<b>** 1,058.87</b>
<b>Percent of Track not Rehabilitated to Total Track.....</b>	<b>5.8%</b>	<b>14.0%</b>	<b>13.0%</b>	<b>10.4%</b>	<b>0.2%</b>	<b>9.2%</b>

All purchased track included in above figures.

"Unrehabilitated Track (T.V.C.)" includes semi-reconstructed track.

\*Includes non-franchise track.

\*\*The above total represents track actually in the ground as of 1-31-20. At several locations tracks were in course of reconstruction at that particular date, and were either temporarily out or were replaced by temporary track of a different length from the regular track. To get what the actual mileage would be, except for this unfinished work, the above total mileage should be increased by 0.61 mile, resulting in a total of 1,059.48 miles.

## ENGINEERING DEPARTMENT

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*Substations.*—There were no additional sources of energy established for railway use during the year, but there was an increase of 1750 kw. to the railway capacity in C. E. Co. stations, and an increase of 750 kw. capacity for C. E. Co. use in railway stations. This made a net increase of only 1,000 kw. capacity for railway use for the year, as shown in Table 7.

The highest direct current maximum demand for the year, 134,705 kw., was established in December, 1919—Chicago Railways Company, 83,901 kw. and Chicago City Railway Company, 50,804 kw.

Storage batteries in eight substations were renewed, installation of additional insulation in high tension compartments of ten substations, rebuilding of some reactances and rewinding of a few armatures and transformers was done in addition to the usual maintenance work, but no work of any considerable magnitude was undertaken.

*Electrical Distribution System.*—The principal construction work done was the renewing of 175 miles of trolley wire, replacement of 107 wood poles by steel, resetting 200 poles back of curb line on account of street improvement, and the reinforcement of 150 steel poles by filling with concrete in which steel rods were embedded. Some additional feeder cable was installed, considerable wood trough for trolley wire renewed, and the usual amount of repair and maintenance work carried on.

*Cars.*—The high standard of maintenance during previous years in the upkeep of cars and equipment was adhered to as nearly as possible during the year notwithstanding the high wage level prevailing and the great difficulty in procuring equipment parts, materials and supplies. Considerable work was done in carrying forward and completing minor additions and improvements begun in previous years but no extensive modifications were made. Important work was started and continued in making improvements on various types of motors, which will have a beneficial effect on reduction in upkeep costs and increased reliability of service.

In order to have equipment capable of dealing with the heaviest snow falls and to keep clear not only the right-of-way but also a strip alongside wide enough for vehicles to drive upon, thus facilitating the movement of cars, 12 heavy double truck steel tank sprinkler cars were equipped with shear plows and adjustable side wings. This equipment illustrated in Figs. 1 and 2 has been very successful in removing snow from the tracks and clearing a driveway alongside for vehicles.



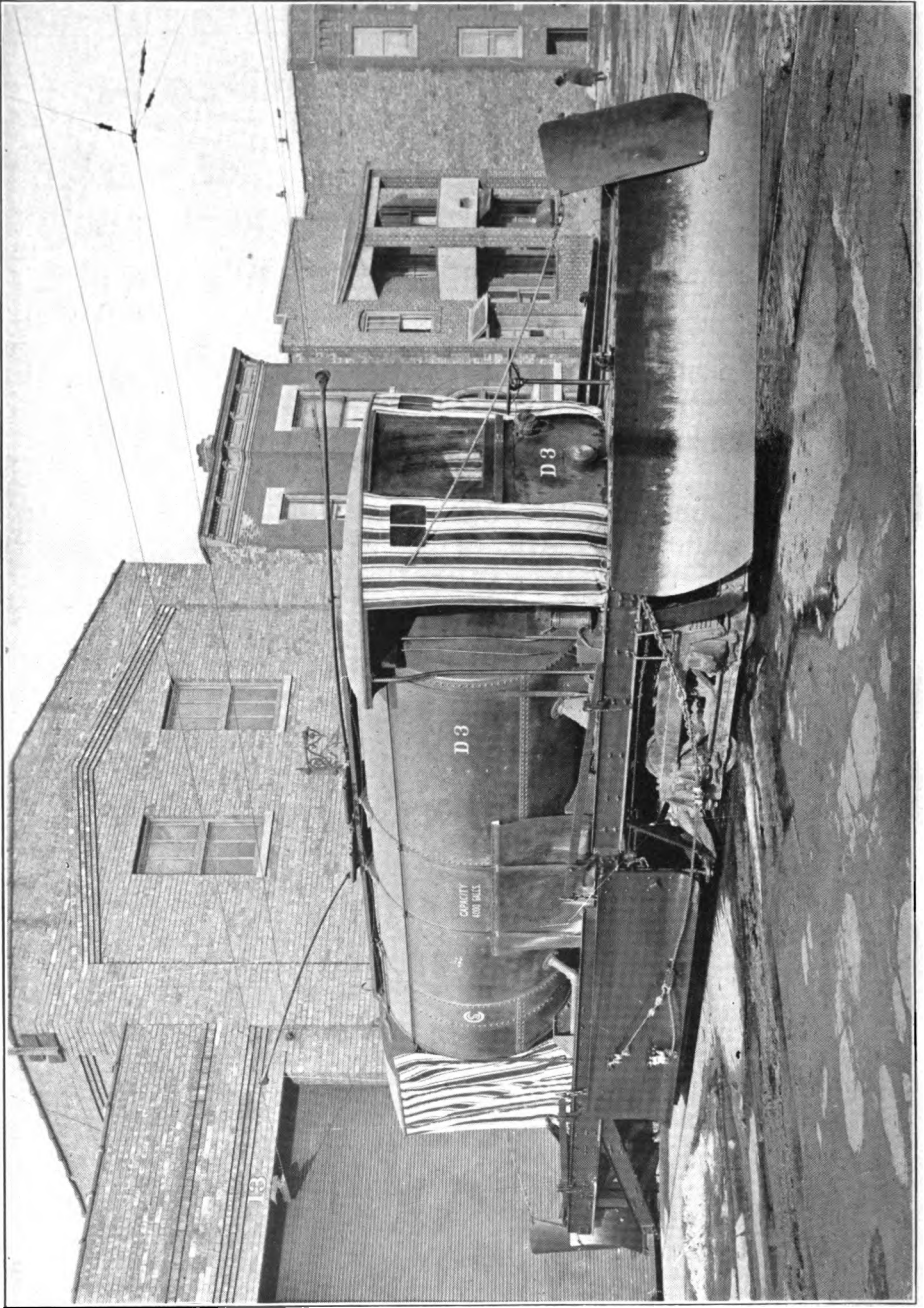


Figure 1. Sprinkler equipped with shear plow and adjustable side wing.

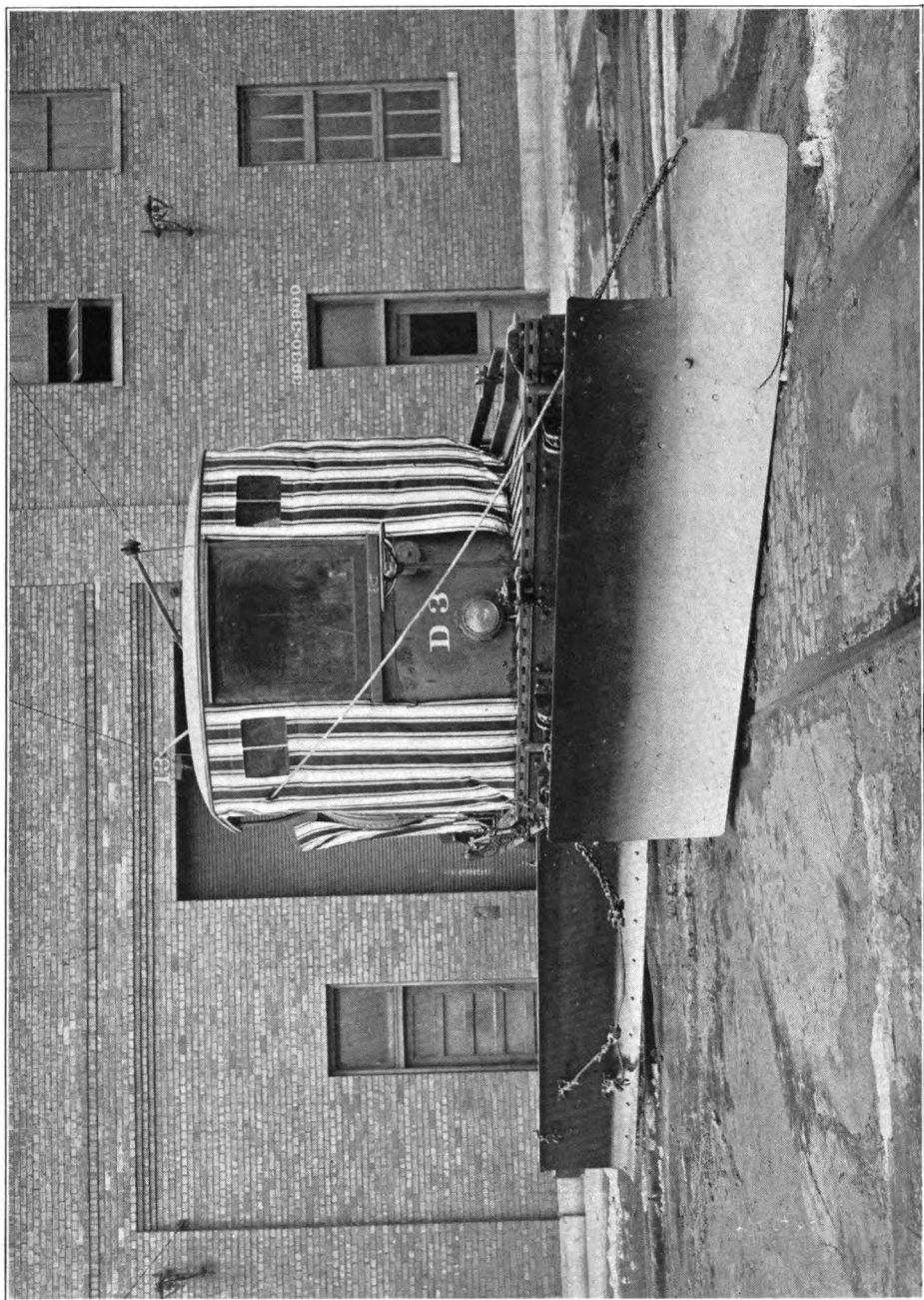


Figure 2. Sprinkler equipped with shear plow with adjustable side wing extended.

TABLE No. 7.

SUB-STATION AND STORAGE BATTERY EQUIPMENT.  
SUMMARY OF RATED CAPACITY IN KILOWATTS.

	ADDED DURING FISCAL YEAR 1919				TOTAL AVAILABLE AS OF END OF YEAR					*Total Kilowatt Capacity	
	Railway Stations		Com. Ed. Co. Stations		Railway Stations		Com. Ed. Co. Stations		Railway Equipment for Railway Use		
	†For Railway Use	For Com. Ed. Co.'s Use	For Railway Use	Railway Equipment for Railway Use	For Railway Use	For Com. Ed. Co.'s Use	For Railway Use	For Com. Ed. Co.'s Use			
SUB-STATIONS:											
Chicago City Railway Co.....	750	750	750	.....	47,750	5,250	7,500	2,400	.....	.....	.....
Chicago Railways Co.....			1,000	.....	75,250	4,750	20,000	.....	.....	.....	.....
Calumet & South Chicago Railway Co.....				.....	.....	.....	.....	7,000	.....	.....	.....
TOTALS.....	750	750	1,750	.....	123,000	10,000	27,500	9,400	.....	.....	.....
TOTAL TRACTION CO.'S EQUIP- MENT.....	750	750		.....	123,000	10,000		9,400	.....	.....	142,400
TOTAL EQUIPMENT FOR RAIL- WAY USE.....	750		1,750	.....	123,000		27,500	9,400	.....	.....	159,900
STORAGE BATTERIES:				.....	800			2,240	.....	.....	3,040
Chicago City Railway Co.....				.....					.....	.....	
GRAND TOTAL TRACTION CO.'S EQUIPMENT.....	750	750		.....	123,800	10,000		11,640	.....	.....	145,440
GRAND TOTAL EQUIPMENT FOR RAILWAY USE.....	750		1,750	.....	123,800		27,500	11,640	.....	.....	162,940

\*Excludes 5,089 kw. capacity in Commonwealth Edison Company's steam stations, used on winter peak only. † Decrease.

## ENGINEERING DEPARTMENT

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Thermostat control equipment for car heaters was changed on a group of cars in order to bring this equipment to the standard type.

The use of air rectifiers, as described in the previous annual report, has shown favorable results and up to end of the year covered by this report about 460 cars had been equipped with this device. Eight new double truck passenger cars, described in the previous annual report, were completed and put in service during the year, to replace cars destroyed by fire. Watt-hour meters were installed during the year on a group of cars and thorough tests as to power consumption, and possible savings were made.

Much other work, all of which will contribute to lower upkeep costs and to better reliability in service, such as removing obsolete truck frames, replacing them with a modern type of frame, improving motor gearing and replacing car sash with those of improved design, etc., has been mentioned in previous reports, and was continued during the year.

Passenger car equipment was added to by reconstructing two double truck funeral cars into passenger cars.

Automobile truck equipment which will facilitate the work of repairs and the handling of hose bridges has been added to during the year.

*Buildings.*—The market condition of building construction labor and materials has continued such the past year that new and additional work in this department has been limited to pressing necessity, and no work of importance undertaken.

The only new unit of any size added being the construction of a new main sand dryer plant at 78th street and Vincennes road, replacing, at an increased capacity, the plant formerly on the same site which was destroyed by fire early in the year. This new dryer has a capacity of from 8 to 9 cubic yards per hour, or a total daily capacity (on a double 9-hour shift) of 150 to 170 cubic yards, sufficient to supply the entire Surface Lines' system. The new plant is protected from fire by the overhead sprinkling system.

The method of drying is by direct contact of the sand with the fire, the flame being forced by a blower through a horizontal steel shell, into which the moist sand is fed and kept in agitation by a revolving "paddle" wheel. The moist sand is conveyed to, and the dried sand from, the dryer by means of inclined belt conveyors—the dried sand being conveyed direct into the loading bins, which have a capacity of 115 cubic

yards. The sand from the storage bins is loaded into the delivery cars through gravity spouts.

The power for operating the entire plant, including the conveyors, is derived from one 35 h. p. electric motor.

The delivery cars are built of steel (tank style) having a capacity of 9 cubic yards, and are equipped with air compressors electrically operated by connection with the trolley wire permitting the unloading of the sand direct into the supply bins at the various stations by air pressure.

The main battery of boiler equipment at the West Shops plant was replaced during the year with a battery of Stirling boilers equipped with a complete complement of coal hoppers, automatic stokers, ash blowers, etc.

Owing to the demand for space adapted for use as garages, repair shops, light manufacturing, etc., several obsolete power houses, car houses, and storage buildings that have been vacant since abandoned as operative buildings, have been leased the past year at advantageous terms, and with few exceptions all non-operative buildings of the Surface Lines are now occupied at fair rentals.

*Electrolysis.*—The usual potential survey of the entire city was made by the Surface Lines' and Board's engineers. Sixty-three cases of damage to water pipes and cables of the city of Chicago were reported to the Board of Electrolysis Claims. These cases were investigated and reported on.

The extending of Michigan avenue to connect with Lincoln Parkway made necessary the removal of the water and gas mains at Grand avenue and Pine street. At this location the water and gas mains were connected to a drainage cable. When the mains were removed the drainage cable and clamps were taken off by the Surface Lines and when the mains were later re-laid at a lower level the drainage tap was replaced.

The bonding of all city and sanitary district cable sheaths was practically completed during the year, this work being done under the direction of the Board, as provided by the Unification Ordinance of 1913. In addition to bonding the cable sheaths, drainage connections were made to the Surface Lines' cable sheaths at eleven locations and these connections greatly improved the electrolytic condition of the city cable sheaths. This work is to be carried on until all of the cables have been properly taken care of.

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A potential survey of the Chicago tunnel system was made by representatives of the various utility companies having underground structures in the territory covered by the tunnel company. A study was also made of the effect of tying together the return systems of the surface lines, elevated lines and Chicago Tunnel Co. As a result of this study a plan was worked out for improving electrolytic conditions in the downtown district.

During the year the Board co-operated with the various utility companies in the investigation of failures of pipes and cables supposedly due to electrolysis and the preparation of plans for the protection of these structures when such protection was found to be necessary.

*Public Improvements.*—In the twelfth annual report a synopsis was given of public work contemplated under the Chicago Plan, such as street opening, widening, change in grade or level, new bridges and viaducts, all of which affect track construction in some way. During the fiscal year 1919 an ordinance was passed for the extension of Ogden avenue a distance of 2.7 miles, as a wide diagonal thoroughfare. Ordinances were also passed authorizing the opening of parts of Ashland avenue and Robey street and widening other parts so as to connect important sections of existing streets. Authorization was also given for widening Western avenue over a considerable portion of its length, so that it will have a minimum width of 100 feet throughout from north to south city limits.

A very important improvement advanced was that on South Water street, which is to be made a two-level thoroughfare, both levels to have a width exceeding 100 feet. The lower level will afford a through traffic route between important freight yards and warehouses and terminals, and will be entirely unobstructed by intersecting street railway and vehicular traffic. It will also remove obstructions which now seriously interfere with street car and vehicular traffic on important north and south streets. The upper level will provide a marginal street along the river which will materially aid in breaking up the congested traffic in the business district.

Progress was made in connection with the Union Station project. The tracks on Canal street, between Harrison street and Roosevelt road (12th street) were temporarily removed to allow changes in street grade and width to be made. The Taylor street viaduct over the railroad tracks was reconstructed and widened.

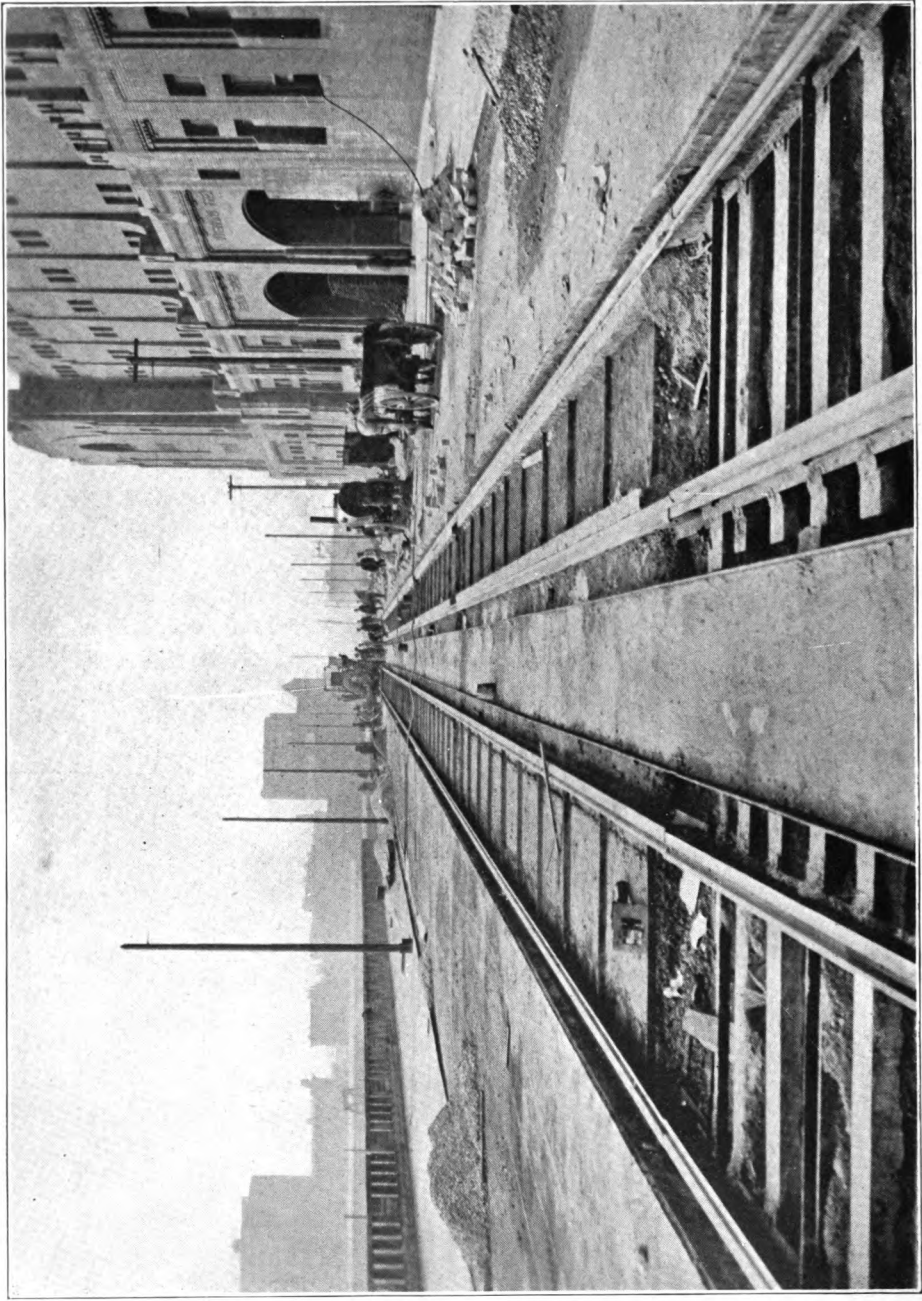


Figure 3. Taylor Street Viaduct, showing method of laying tracks in a trough provided for them when the viaduct proper was constructed.



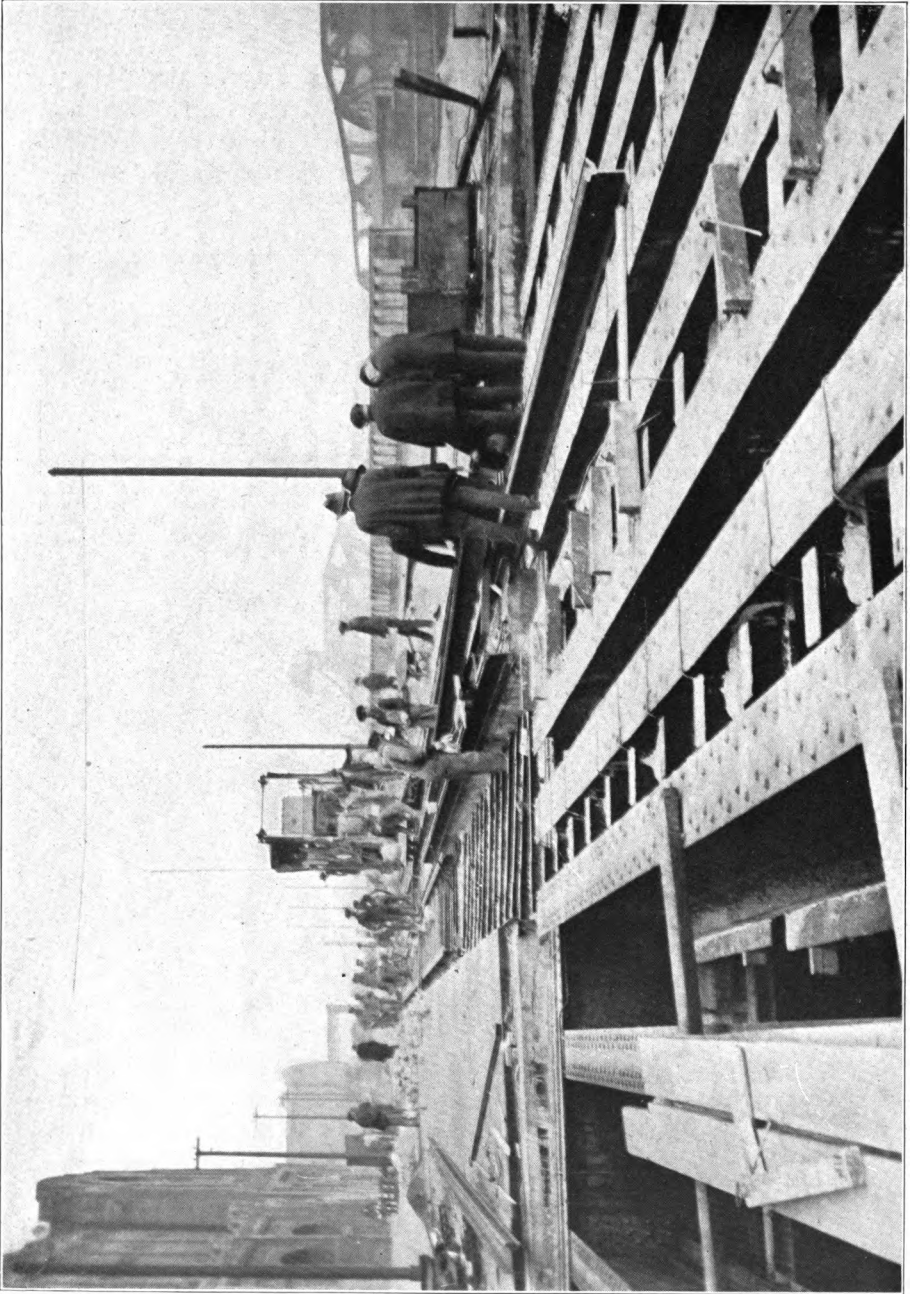


Figure 4. Taylor Street Viaduct, showing two methods of laying track on the viaduct structure.



## THIRTEENTH ANNUAL REPORT, CHICAGO TRACTION

Figure 3 shows the finished track ready to receive the paving. On the track to the left a row of granite block has already been laid along the inside of each rail. It will be noted that each of these tracks is laid in a trough provided for it when the viaduct proper was constructed.

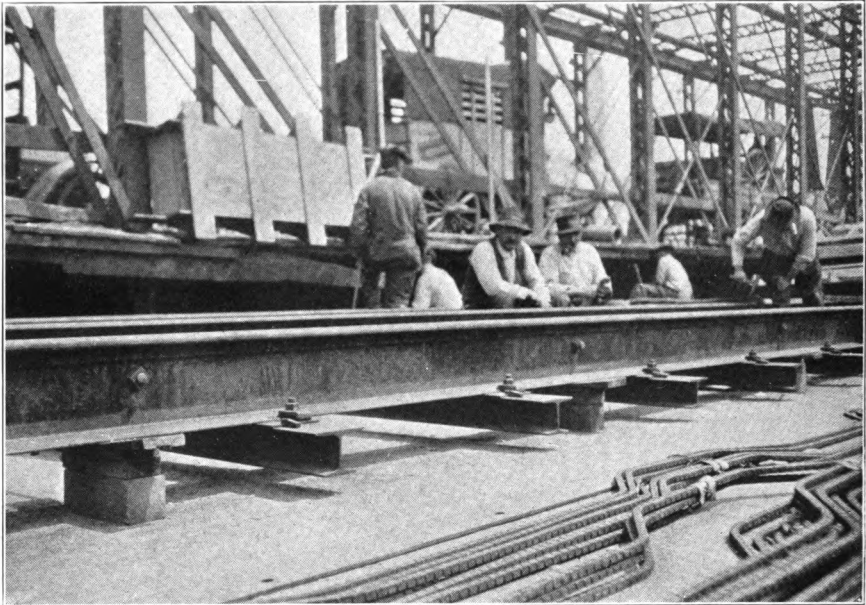


Figure 5. Harrison Street Viaduct, showing old viaduct moved back and method of placing track on new viaduct.

In Figure 4 the background shows the trough provided for the track in the construction of the viaduct proper with the steel ties laid on the bottom of the trough ready to receive the rail. The foreground shows a different form of construction—the rails to be fastened directly to the steel construction and to rest on the row of supports shown between the two girders in the center of the foreground.

The old Harrison street viaduct was moved to one side to allow the construction of a new viaduct, which work was in progress at the end of the year.

Figures 5 and 6 show the old viaduct in the background and the construction of the new viaduct going forward where the old viaduct originally stood.

## ENGINEERING DEPARTMENT

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Figure 5 shows the rails and ties in place and supported on blocks resting on the wooden forms of the viaduct proper. In this view all of the concrete reinforcing bars have not been placed.

Figure 6 shows a similar condition to that shown in Figure 5 but with more of the reinforcing bars in place. In this type of construction the steel ties of the track become practically a part of the viaduct structure after the concrete has been placed.



Figure 6. Harrison Street Viaduct, showing old viaduct and the relation of the tracks to the concrete reinforcement of the new viaduct.

The extension of Michigan avenue northward over the river was completed late in the year and was almost ready to be opened for traffic. This improvement affected the street railway only where the Grand avenue tracks had to be lowered to pass under the north approach. Progress was made on the new Franklin-Orleans bridge and street changes required at both ends. Negotiations between I. C. R. R. Co. and the city for electrification and lake front development were continued but not concluded at the end of the year.

## PERSONNEL OF GENERAL ORGANIZATION FOR YEAR 1919.

### DIVISION OF ENGINEERING, INSPECTION AND CLERICAL:

#### *Principal Assistant Engineer*

Ralph H. Rice

#### *Assistant Engineers*

C. S. Holcomb, Track and Roadway

F. H. Cooper, Buildings

August Fry, Electrical Distribution

Wray Thorn, Cars

J. T. Donahoe, Electrolysis

#### *Engineer Inspector*

M. C. McMahon

#### *Field Clerk*

Everett Wartenberg

#### *Clerks*

Joseph Williams

Elmer Howe

E. W. Hanrahan

W. T. Long

G. I. Carlson

G. C. Otley

### DIVISION OF ACCOUNTS:

#### *Auditor*

C. G. Snyder

#### *Accountants*

Chas. Dorsett

G. E. Bauman

S. M. Gosselin

W. J. Nichols

#### *Clerks*

A. M. Knowles

Arthur Berg

### TRAFFIC:

O. H. Tousey, Traffic Observer

### GENERAL OFFICE:

#### *Secretary to Chairman*

A. I. Downey

#### *Stenographers*

C. L. Brooks

A. R. Casey

Sadie Ford

Clara Tomashek

H. L. Knowles

#### *Switchboard Operator*

E. M. Gomall

#### *Messenger*

Elmer McBreen

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